ZVEREVA, V.A.

Use of short-wave ultraviolet radiation in work rooms of the V.I.Lenin All-Union State Library. Uch.zap. Mosk.nauch. issl.inst.san.i gig no.4:51-52 '60 (MIRA 16:11)

Survival of intestinal microbes and staphylococci in cottage cheese kept in refrigerators for long periods at sub-zero temperatures. Ibid.:57-59.

*

ZVEREVA, V.A.

Karst and caves in the Southern Urals; annotated bibliographical index of the Russian literature, 1918-1960. Nov.kar.i spel. no.3: 87-94 '63. (MIRA 16:10)

KOCHNOV, V.Ye.; ZVEREVA, V.A.; GERSHMAN, R.B.; VASIL'YEVA, S.M.

Formation and decomposition of austenite in cold-rolled transformer steel. Fiz. met. i metalloved. 19 no.6:926-929 Je '65. (MIRA 18:7)

1. Nauchno-issledovatel'skiy institut metallurgii, Chelyabinsk.

KALINA, G.P.; DIANOVA,Ye,V.; BUGROVA,V.I.; KRYLOVA,M.D.; PONOMAREVA, Ye.P.; STEPANENKO, V.K.; ZVEREVA.V.A.

Problems of sanitary bacteriology. Uch.zap.Kuk.nauch.issl.san. i gig. no.4: Frontpage .'60 . . (MIRA 16:11)

Behavior of dysentery bacteria in an external medium. Ibid.:5-10

ZVEREVA, V.A.; BELYAYEVA, T.N.

Dutch cheese as a possible source of food poisoning of a staphylococcal nature. Uch.zap. Mosk. nauch. issl. inst. san. i gig. no.4:53-56 '60 (MIRA 16:11)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7

S/279/63/000/001/011/023
E075/E452

AUTHORS: Gershman, R.B., Belikov, A.M., Zvereva, V.A., Vasil'yeva, S.V. (Chelyabinsk)

TITLE: Curie points of cementite after isolation from alloy steels

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Metallurgiya i gornoye delo. no.1, 1963, 119-120

TEXT: Since the magnetic properties of isolated alloyed cementite have not been adequately studied and existing literature data are contradictory, the authors determined the Curie points of cementite isolated from seven alloy steels (composition given). The steels were induction melted and the ingots forged into rods from which specimens were prepared. The specimens were homogenized and hardened from 950 or 1300°C in a 10% potassium hydroxide aqueous solution or oil. Each type of steel was annealed by 5 to 6 different methods to obtain the maximum content of the alloy element in cementite. The cementites were isolated electrolytically. The proportions of the alloying elements in the carbide residues were determined chemically and the amounts dissolved in a

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Curie points of cementite ...

given carbide were determined from changes in volume of the crystallographic lattice or from the spacing. The effect of temperature on the magnetization of carbide powder was determined with a magnetic balance in fields far removed from saturation. It was found that the Curie point of the cementite was not changed by alloying the steel with nickel, niobium or vanadium. Alloying the steel with tungsten somewhat lowered the Curie point temperature while alloying the steel with molybdenum reduced it still more. Manganese, which dissolves in cementite in large quantities, caused a very marked decrease in the Curie point temperature. There are 1 figure and 2 tables.

SUBMITTED: April 24, 1962

Card 2/2

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7

ACC NR: AP6015677 (A) SOURCE CODE: UR/0413/66/000/019/0026/0026

INVENTOR: Simonov, V. D.; Shakirova, A. M.; Savin, V. P.; Zvereva, V. V.; Romanovich, V, I.; Naumkin, P. V.

ORG: none

TITLE: Preparation of thiolcarbamates. Class 12, No. 186437 [announced by Ufa Branch of the All-Union Scientific Research Institute of Chemicals for Plant Protection (Ufimskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta khimicheskikh sredstv zashchity rasteniy)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 26

TOPIC TAGS: thiolcarbamate, carbamic acid, organic salt, alkyl halide, halide

ABSTRACT: In the proposed method for preparing thiolcarbamates of the general formula

$$\begin{matrix} R'' \\ R''' \end{matrix}\!\!>\!NCOSR',$$

(where R', R", and R"' are saturated alkyls) by the reaction of salts of thiocarbamic acid with alkyl halides on heating, saturated alkyl halides are used as the alkylation reagents and the process is conducted

Card 1/2 UDC: 547.496.1.07

ACC NR: AP6035677

at 100—130°C, 5—10 atm in an inert solvent, e.g., petroleum ether. [W.A. 50]

SUB CODE: 07/ SUBM DATE: 09Nov65

Card 2/2

ZVEREVA, Ye.A.; GUREYEV, V.F.

Geology and formation characteristics of the weathering surface of a carbonate massif. Kora vyvetr. no.6:187-194 '63. (MIRA 17:9)

1. TSentral'nyy nauchno-issledovatel'skiy gornorasvedochnyy institut tsvetnykh redkikh i blagorodnykh metallov, Moskva.

GODLEVSKIY, M.N., doktor geol.-mineral. nauk; ZVEREVA, Ye.A.; PISEMSKIY, G.V.

Il'ia Isaakovich Ginzburg, 1881?-1965; an obituary. Zap. Vses. min. ob-va 94 no.5:621-622 '65. (MIRA 18:11)

1. Deystvitel'nyy chlen Vsesoyuznogo mineral'nogo obshchestva (for Godlevskiy).

BUGEL'SKIY, Yu.Yu.; VITOVSKAYA, I.V.; GODLEVSKIY, M.N.; ZVEREVA, Ye.A.; KORIN, I.Z.; NIKITIN, K.K.; NIKITINA, A.P.; PISEMSKIY, G.V.; SAPOZHNIKOV, D.G.; SOKOLOV, G.A.; CHUKHROV, F.V.; SHCHERBAKOV, D.I.; EDEL'SHTEYN, I.I.; YANITSKIY, A.A.

Il'ia Isaakovich Ginzburg, 1882?-1965; obituary. Geol.rud.mestorozh. 7 no.4:109-110 Jl-Ag '65. (MIRA 18:8)

ZVEREVA, Ye. A., Cand Agr Sci -- (diss) "Differentiation of methods in land-reclamation work in salt swamps with different upper-level fertility." Moscow, 1960. 20 pp; (All-Union Order of Lenin Academy of Agricultural Sciences im V. I. Lenin, All-Union Scientific Research Inst of Fertilizers and Agro-soil science, VIUA); 150 copies; price not given; (KL, 17-60, 163)

GOLUBEV, D.B.; CHEBOTAREV, Ye.N.; VASILETS, I.M.; AKSENOV, O.A.; ZVEREVA, Ye.P.

Changes in the membrane permeability of tissue culture cells during the reproduction of viruses. TSitologiia 7 no.3:356-365 My-Je '65. (MIRA 18:10)

1. Laboratoriya virusnykh preparatov Instituta vaktsin i syvorotok i laboratoriya biokhimicheskoy genetiki Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.

GOLUBEV, D.B.; ZUBZHITSKIY, Yu.N.; ZVEREVA, Ye.P.; SIMANOVSKAYA, V.K.; LIPINA, N.V.; YABROV, A.A.

Change in cellular permeability in the process of symplasm formation induced by some viruses in the tissue. Vop. virus. 10 no.5:544-550 S-O '65. (MIRA 18:11)

1. Nauchno-issledovatel'skiy institut vaktsin i syvorotok i Institut eksperimental'noy meditsiny AMN SSSR, Leningrad.

ACCESSION NR: AT4028301 S/2667/63/000/024/0066/0091

AUTHOR: Guterman, I. G.; Dunayeva, S. I.; Zvereva, Ye. P.; Marchenko, A. S.

TITLE: Climatic characteristics of the wind in a model of the standard atmosphere

SOURCE: Moscow. Nauchno-issledovatel'skiy institut aeroklimatologii. Trudy*, no. 24, 1963, 66-91

TOPIC TAGS: standard atmosphere, meteorology, climatology, wind, wind velocity, wind direction, troposphere, stratosphere

ABSTRACT: A method has been developed for processing aerological observations for a 10-year period (1950-1959) to the 30-mb isobaric surface for the determination of wind characteristics, averaged over large regions and the hemisphere. The determined characteristics are recommended as the first variant of a model of a standard atmosphere for the northern hemisphere. Wind parameters were determined for January, for July and for the year to a height of 25 km. The principal parameters used for this model were the mean scalar velocity of the wind for the month and the year and the resultant wind vector (value and direction). Both characteristics were determined using data for 200 stations, a total of 470,000 observations, processed by electronic computer. Principles and methods employed in this study are described fully. The many difficulties in handling this complex problem

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are discussed. Wind parameters are summarized and analyzed for six geographic regions within which the character of wind distribution can be considered homogeneous in the first approximation. Nonuniformity of station distribution and decreasing number of observations at greater heights are taken into account. In this process data were averaged for 206 equal-area squares in the northern hemisphere. The six regions for which data are generalized are: polar regions; Europe and part of Asia; North America and the North Atlantic; North Africa and Central Asia; North Pacific Ocean and the Far East; and the equatorial and tropical regions. The following section headings indicate the nature of the development of the paper: Introduction; characteristics of the data used; principal geographic regions defined for the purpose of description of wind over the northern hemisphere; the wind vector as a random value; determination of the climatic characteristics of the wind; general principles for determining mean parameters for regions and the hemisphere; averaging data for stations; averaging data for regions and the hemisphere; determination of wind characteristics for standard heights; practical computation of derivatives of wind parameters at standard heights. Orig. art. has: 29 formulas, 11 figures and 3 tables.

ASSOCIATION: Nauchno-issledovatel'skiy institut aeroklimatologii, Moscow (Scientific Research Institute of Aeroclimatology)

ACCESSION NR: AT4028301

SUBMITTED: 00 DATE ACQ: 16Apr64 ENCL: 00

SUB CODE: AS NO REF SOV: 014 OTHER: 007

Card 3/3

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BOOK EXPLOITATION

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(47+57)

Zvereva, Ye. P.

Interdiurnal variability of pressure, temperature and winds over the U.S.S.R. (Mezhdusutochnaya izmenchivost' davleniya, temperatury i vetra nad SSSR) Leningrad, Gidrometeoizdat, 1964. 0081 p. illus., biblio. 630 copies printed. (At head of title: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR) Moscow. Nauchno-issledovatel'skiy institut aeroklimatologii. Trudy vyp. 22

TOPIC TAGS: atmospheric temperature, wind direction, climatology, atmospheric pressure, wind velocity, troposphere, weather map, diurnal variation

PURPOSE AND COVERAGE: The book examines the distribution peculiarities of absolute interdiurnal variations in temperature, pressure, wind velocity and direction at different levels of troposphere over the USSR. Maps of interdiurnal variations are included. They contain elements of four central seasonal months, which give a picture of the peculiarities of seasonal and geographical variations. The book is intended for scientific and operative workers in meteorology and aeroclimatology.

Card 1/2

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L 1598-66

AM5009856

Data on variations in meteorological elements can also be used in various calculations of aerial navigation.

TABLE OF CONTENTS (abridged):

SUB CODE: ES

SUBMITTED: 27May64

NR REF SOV: 017

OTHER: 013

Card 2/2 DP

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7

ZVEREVA, V.B., [illegible]; KOTIKOVSKAYA, A.B., red.

[Day-to-day variability in pressure, temperature and wind over the U.S.S.R. Mezhdusutochnaia izmenchivost' davleniia, temperatury i vetra nad SSSR. Leningrad, Gidrometeoizdat, 1964. 81 p. (Moscow. Nauchno-issledovatel'skii institut aeroklimatologii. Trudy, no.22).
(MIRA 17:10)

ZVEREV, N.I.; ZVEREVA, Ye.P.

Statistical analysis of the effect of various layers of the troposphere on changes of pressure at the earth's surface. Trudy TSIP no.139:59-66 '65. (MIRA 18:6)

ZVEREVA, Ye.S.; ROGOV, A.I.

Moscow conference of readers of this periodical. Med. sestra 20 no.10:60 O '61. (MIRA 14:12)

(NURSES AND NURSING--PERIODICALS)

ZVEREVA, Ye.S., meditsinskaya sestra (Moskva)

Procedure of the distribution of medicine and fulfillment of assignments. Med.sestra 21 no.10:55 O '62. (MIRA 16:4)
(NURSES AND NURSING)

VOLOSHCHUK, V.U.; TRIFONOVA, R.G.; ZVEREVA, Ye.V.; TARNAVSKIY, A.L.; ASHURKINA, Ye.M.; IVANOV, V.P.

New developments in research. Stal' 23 no.9:858 S '63. (MIRA 16:10)

SOV/81-59-16-58481

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, pp 407-408 (USSR)

AUTHORS: Nikolayeva, V.G., Zvereva, Ye.V.

TITLE: The Intensified Investigation of Kerosene-Gas Oil Fractions of Direct Distillation and Catalytic Cracking

PERIODICAL: V sb.: Sostav i svoystva neftey i benzino-kerosinovykh fraktsiy. Moscow, AN SSSR, 1957, pp 467-497

ABSTRACT: Kerosene-gas oil fractions of 200 - 350°C of Romashkino Devon petroleum (R), 200 - 400°C of Tuymazy Devon petroleum (T) and gas oil of catalytic cracking of Romashkino petroleum (C) were investigated by a combination of the methods of exact rectification, deparaffination by carbide, chromatography on SiO_2, catalytic dehydrogenation and structure-group analysis of narrow fractions (with the application of infrared spectroscopy to n-paraffins). In R, 14% of n-paraffins and 30% of aromatic hydrocarbons (H) were found, in T-14 and 33%, respectively. The monocyclic and bicyclic aromatic H of both fractions contain naphthene rings and S-compounds. The total quantity of naphthenes in R is 19%, in T - 24% (8.8% six-membered naphthenes). In C 14% n-paraffins, 66% aromatic + unsaturated

Card 1/2

The Intensified Investigation of Kerosene-Gas Oil Fractions of Direct Distillation and Catalytic Cracking

paraffins are contained (11.5% unsaturated). Mono-, bi-, tri- and polycyclic aromatic H have been found; the naphthene rings contain only monocyclic H, the S content reaches 5.4%. The content of naphthenes is 5 - 6% (in individual fractions 10 - 15%). The individual n-paraffins of all three fractions can be separated with a high degree of purity.

Ye. Pokrovskaya.

ZVEREVA, Ye.A.

Differentiation of cultivation measures applied for the improvement of various Solonetz soils. Dokl. Akad. sel'khoz. 23 no.10:35-41 '58. (MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya. Predstavlena akademikom P.V. Baranovym.
(Solonetz soils)

ZVEREVA, Ye.M.

Our experience in the preparation of the transition to a seven-hour work-day. Tekst.prom. 20 no.5:9-10 My '60. (MIRA 13:8)

1. Direktor leningradskogo pryadil'no-nitochnogo kombinata "Sovetskaya zvezda".
(Leningrad--Textile industry)
(Hours of labor)

ZVEREVICH, Ye.S.

Drying generators in the power section of sugar refineries.
Sakh.prom.30 no.1:29-32 Ja '56. (MLRA 9:6)

1.Energoprodmontazh.
(Electric generators)

PHASE I BOOK EXPLOITATION SOV/4959

Ural'skoye soveshchaniye po spektrosk

Materialy 2 Ural'skogo soveshchaniya po spektroskopii, Sverdlovsk, 1958 g. (Materials of the Second Urals Conference on Spectroscopy, Held in Sverdlovsk, 1958) Sverdlovsk, Metallurgizdat, 1959. 206 p. Errata slip inserted. 1,000 copies printed.

Sponsoring Agency: Ural'skiy filial Akademii nauk SSSR. Komissiya po spektroskopii and Ural'skiy dom tekhniki VSNTO.

Eds.: Aron Borisovich Shayevich and Gerasim Pavlovich Shemyakhova; Tech. Ed.: R. M. Matlyuk.

PURPOSE: This collection of articles is intended for spectral analysis laboratory workers at ferrous and nonferrous metallurgical plants, and for laboratory personnel of the metal-working industry, geological and prospecting organizations, and similar scientific research laboratories.

COVERAGE: The collection contains papers read at the Second Urals Conference on the spectral analysis of ferrous and nonferrous metals and alloys, slags, ores, agglomerates, refractories and other materials used in industry. The material of the conference includes articles on the analysis of steels (including the determination of gases), ferroalloys, nonferrous and light metals and alloys, pure noble metals, etc. The present volume is intended to disseminate the latest experience in working with spectral laboratories, and to report on the results of scientific research. The author thanks B. I. Gutkina and Ya. M. Baranyev. Almost all of the articles are accompanied by references.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7"

11(4) PHASE I BOOK EXPLOITATION SOV/2075

Akademiya nauk SSSR. Bashkirskiy filial, Ufa

Khimiya seraorganicheskikh soyedineniy, soderzhashchikhsya v neftyakh i nefteproduktakh; [materialy III nauchnoy sessii] (Chemistry of Sulphur Organic Compounds Contained in Petroleum and Petroleum Products; [Papers of the Third Scientific Session]) Moscow, Izd-vo AN SSSR, 1959. 376 p. 2,000 copies printed. Errata slip inserted.

Editorial Board: R.D. Obolentsev (Resp. Ed.) Doctor of Chemical Sciences; S.D. Gal'pern, Doctor of Chemical Sciences; Ya. B. Chertkov, Doctor of Technical Sciences; V.V. Panov, Candidate of Technical Sciences; and V.P. Rozhdestvenskiy, Candidate of Chemical Sciences; Ed. of Publishing House: I.I. Kruzhkov; Tech. Ed.: T.P. Polenova.

PURPOSE: This book is intended for chemists, chemical engineers, and technicians specializing in the chemistry of petroleum.

COVERAGE: The book is a collection of papers presented at the Third Scientific Session on the Chemistry of Organic Sulfur- and Nitrogen Compounds Contained in Petroleum and Petroleum Products. The scientific session was held in Ufa, June 5-8, 1957. The book consists of six sections: 1) Synthesis, characterization, and analysis of organic sulfur compounds; 2) Separation and composition of organic sulfur compounds contained in petroleum and petroleum products; 3) Transformation of organic sulfur compounds by thermal catalysis; 4) Corrosive properties of and tar formation in sulfur-containing petroleum and petroleum products; 5) Uses of organic sulfur compounds and hydrogen sulfide; 6) Physiological properties of organic sulfur compounds. No personalities are mentioned. There are 315 references, of which 179 are Soviet, 118 English, 5 French, 12 German, and 1 Czech.

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Chemistry of Sulphur Organic Compounds (Cont.) SOV/2075

Card 6/10

(12)

NIKOLAYEVA, V.G.; ZVEREVA, Ye.V.

Effect of the refining method on the hydrocarbon composition of fractions containing organic sulfur compounds. Khim.sera.-i asotorg.soed. sod.v neft.i nefteprod. 3:397-405 '60. (MIRA 14:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.
(Petroleum--Refining) (Hydrocarbons) (Sulfur organic compounds)

S/081/61/000/019/064/085
B117/B110

AUTHORS: Nikolayeva, V. G., Zvereva, Ye. V.

TITLE: Effect of refining processes on the hydrocarbon composition of fractions containing organic sulfur compounds

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 421, abstract 19M155 (Sb. "Khimiya sera- i azotorgan. soyedineniy, soderzhashchikhsya v neftyakh i nefteproduktakh". Ufa, v. 3, 1960, 397 - 405)

TEXT: Fractions of monocyclic and bicyclic aromatics which were separated from gas oil obtained by direct distillation and by catalytic cracking, were purified from sulfur compounds by adsorption on ACK (ASK) silica gel. Refining was conducted by two methods: (a) oxidation with H_2O_2 in acetic medium, (b) by hydrogenation on an aluminum - cobalt - molybdenum catalyst. Aromatic hydrocarbons were oxidized within 8 hr at 70°C. The total content of aromatic hydrocarbons in the fractions proved to be unchanged after refining by oxidation. The number of aromatic rings calculated by the method n = d = M was somewhat reduced, especially as regards bicyclic aromatics. The elementary composition of oxidized organic sulfur compounds

Effect of refining...

S/081/61/000/019/064/085
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was studied. Hydrogenation of the benzene cycle in hydrogenetive refining of monocyclic aromatic hydrocarbons was not noticed on the aluminum - cobalt - molybdenum catalyst at an initial H_2 pressure of 70 atm and a temperature of 350°C. In hydrogenetive refining of bicyclic aromatics considerable amounts of tetralin derivatives were obtained. [Abstracter's note: Complete translation.]

Card 2/2

KRAVTSOV, V.I.; ZVEREVICH, G.V.

Galvanostatic study of the processes of electrodeposition and anodic solution of zinc in zinc perchlorate solution. Vest. LGU. 18 no.16:103-109 '63. (MIRA 16:11)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7"

ACCESSION NR: AT4043065 S/2834/63/042/003/0025/0034

AUTHOR: Maslenitskiy, I. N., Zverevich, N. V.

TITLE: Amalgamation of Fe-Ni alloys

SOURCE: Leningrad. Gorny*y institut. Zapiski, v. 42, no. 3, 1963. Khimiya, metallurgiya, obogashcheniye (Chemistry, metallurgy, ore concentration), 25-34

TOPIC TAGS: nickel iron alloy, permalloy, kovar, alloy EI996, platinum, Armco iron, nickel iron alloy amalgamation, zinc amalgam, alloy surface wettability, oxide film effect, amalgamation

ABSTRACT: Amalgamation of Permalloy, Kovar (18% Co, 29% Ni, 53% Fe), alloy EI996 (2% Be, 98% Ni), platinum and "Armco" iron was studied by measuring wettability by mercury under various conditions calculated to prevent formation of oxide films. These included hydrogen reduction of the test plates and wetting under an acid layer following electrolytic reduction of oxide films. Surface preparation and experimental techniques are described. Other experiments involved effects of temperature, environment, hydrogen pressure and the Hg-Pd contact period on solubility of Pd coatings in mercury, as well as the wetting of these metal and alloy surfaces by zinc, ammonium and sodium amalgams. The results indicate that amalgamation of iron-nickel alloys cannot be effected

ACCESSION NR: AT4043065

by standard methods, as wetting of the metal surface by mercury is obstructed by the instantaneous formation of oxide films. Hydrogen reduction of oxides was ineffective due to immediate reoxidation and even contacts in a hydrogen atmosphere did not insure good results in most cases. However, exposure of the metal surface to zinc amalgam in an acid medium insured good amalgamation. Orig. art. has 1 table, 5 graphs, 3 chemical equations and 1 diagram.

ASSOCIATION: Leningradskiy ordenov Lenina i Trudovogo Krasnogo Znameni gorny*y institut im. G. V. Plekhanova (Leningrad Mining Institute)

SUBMITTED: 00 ENCL: 00

SUB CODE: MM NO REF SOV: 005 OTHER: 006

Card 2/2

MASLENITSKIY, I.N.; ZVEREVICH, N.V.

Amalgamation of iron-nickel alloys. Zap. LGI 42 no.3: 25-34 '63. (MIRA 17:10)

ZVEREVICH, N., inzh.-podpolkovnik

Evaluating the piloting skill. Av. i kosm. 47 no.4:60-61 Ap '65.
(MIRA 18:4)

MASLENITSKIY, I.N.; ZVEREVICH, N.V.

Hydrometallurgical separation of metallized copper-nickel matte. TSvet. met. 38 no.1:46-47 Ja '65 (MIRA 18:2)

ANDREYEV, Sergey Yefimovich; ZVEREVICH, Viktor Vladimirovich; PEROV, Valentin Aleksandrovich; VERKHOVSKIY, I.M., prof., retsenzent; PREYGERZON, G.I., dots., retsenzent; KUDENKO, K.G., dots., retsenzent; OLEVSKIY, V.A., kand. tekhn. nauk, retsenzent; RYKOV, N.A., otv. red.; GARBER, T.N., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Crushing, milling, and screening minerals]Droblenie, izmel'chenie i grokhochenie poleznykh iskopaemykh. Moskva, Gosgortekhizdat, 1961. 384 p. (MIRA 15:9)
(Ore dressing)

ANDREYEV, Sergey Yefimovich; ZVEREVICH, Viktor Vladimirovich; PEROV, Valentin Aleksandrovich; VERKHOVSKIY, I.M., prof., retsenzent; FREYGERZON, G.I., dots., retsenzent; RUDENKO, K.G., dots., retsenzent; OLEVSKIY, V.A., kand. tekhn. nauk, retsenzent; RYKOV, N.A., otv. red.; GARBER, T.N., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Crushing, milling, and screening of minerals] Droblenie, izmel'chenie i grokhochenie poleznykh iskopaemykh. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 384 p. (MIRA 15:3)

(Ore dressing)

PARAIL, Vladimir Alekseyevich, kand. tekhn. nauk, dotsent; PODZOLOV, Richard Georgiyevich, starshiy nauchnyy sotrudnik; ZVEREVICH, Vitaliy Yevgen'yevich, aspirant

Creepate of an asynchronous short-circuited motor caused by additional rectified current feed. Izv. vys. ucheb. zav.; elektromekh. 8 no.1:48-54 '65. (MIRA 18:3)

1. Prorektor Odesskogo politekhnicheskogo instituta (for Parail).
2. Odesskiy politekhnicheskiy institut.

BATIASHVILI, I.D.; BEY-BIYENKO, G.Ya.; BOGDANOV-KAT'KOV, N.N.; GERASIMOV, B.A.; GILYAROV, M.S.; DMITRIYEV, G.V.; ZVEREZOMB-ZUBOVSKIY, Ye.V.; ZIMIN, L.S.; KOLOBOVA, A.N.; MEDVEDEV, S.I.; MISHCHENKO, A.I.; PETROV, A.I.; RYABOV, M.A.; SAVZDARG, E.E.; SELIVANOVA, S.N.; SKORIKOVA, O.A.; TROPKINA, M.F.; SHAPOSHNIKOV, G.Kh.; SHCHEGOLEV, V.N., prof., doktor sel'skokhoz.nauk; ESTERBERG, L.K.; YAKHONTOV, V.V.; REUTSKAYA, O.Ye., red.; CHUNAYEVA, Z.V., tekhn.red.

[Classification of insects on the basis of damage to crops] Opredelitel' nasekomykh po povrezhdeniiam kul'turnykh rastenii. Izd.4, perer. i dop. Leningrad, Gos.izd-vo sel'khoz.lit-ry, 1960. 607 p. (MIRA 14:1)

(Insects, Injurious and beneficial)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7"

ZHITKEVICH, Ye.N., starshiy nauchnyy sotrudnik; PETRUKHA, Ye.I., kand. biolog.nauk; POZHAR, Z.A., kand.sel'skokhoz.nauk; SHEVCHENKO, V.N., kand.sel'skokhoz.nauk; BUTOVSKIY, A.P., starshiy nauchnyy sotrudnik, spetsialist entomolog i fitopatolog; GROMAKOV, P.M., starshiy nauchnyy sotrudnik, spetsialist entomolog i fitopatolog [deceased]; MARKOV, F.I., kand.biolog.nauk, spetsialist entomolog i fitopatolog; PUCHKOV, V.G., kand.biolog.nauk, spetsialist entomolog i fitopatolog; PALIY, V.F., doktor biolog.nauk, spetsialist entomolog i fitopatolog; POLEVOY, V.V., starshiy nauchnyy sotrudnik, spetsialist entomolog i fitopatolog; SHMELEVA, V.A., kand.biolog.nauk, spetsialist entomolog i fitopatolog; ZVEREZOMB-ZUBOVSKIY, Ye.V., prof., doktor sel'skokhoz.nauk; KORAB, I.I., prof., doktor sel'skokhoz.nauk; MOROCHKOVSKIY, S.F., prof., doktor biolog.nauk; MURAV'YEV, V.P., prof.; SALUNSKAYA, N.I., kand.biolog.nauk; SAVCHENKO, Ye.N., red.; ZUBAREV, A.S., khudozh.-tekhn.red.

[Sugar beet growing] Sveklovodstvo. Izd.2., perer. i dop. Kiev, Gos.izd-vo sel'khoz.lit-ry USSR. Vol.3. Pt.1. [Sugar beet pests and their control] Vrediteli sakharnoi svekly i mery bor'by s nimi. Pt.2. [Sugar beet diseases and their control] Bolezni sakharnoi svekly i mery bor'by s nimi. 1959. 642 p. (MIRA 12:11)

(Continued on next card)

ZHITKEVICH, Ye.N.---(continued) Card 2.

1. Kiyev. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly (for Zhitkevich, Petrukha, Pozhar, Shevchenko). 3. Uladovo-Lyulinetskaya opytno-selektsionnaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta sakharnoy svekly (for Butovskiy). 4. Ivanovskaya opytno-selekts.stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Gromakov). 5. Kurgizskaya opytno-selekts. stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Markov, Polevoy).6. Veselopodolyanskaya opytno-sel..stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Puchkov). 7. Ramonskaya opytno-selekts.stantsiya Vsesoyuzn.nauchno-issledov.instituta sakharnoy svekly (for Paliy). 8. Pervomayskaya opytno-selekts.stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Shmeleva). 9. Chleny-korresp. AN USSR (for Zverezomb-Zubovskiy, Murav'yev).

(Sugar beets--Diseases and pests)

ZVEREZOMB-ZUBOVSKIY, Ye.V.; TMLENOA, N.A., professor.

V.P.Pospelov's role in developing biological control methods for harmful insects of the U.S.S.R. Nauch.trudy Inst.ent.i fit. 2:7-11 '50. (MLRA 9:2)

1.Chlen-korrespondent Akademii nauk Ukrainskoy SSR (for Zverezomb-Zubovskiy.
(Insects, Injurious and beneficial--Biological control)

ZVEREZOMB-ZUBOVSKIY, Ye.V.

Phytoncides and plant protection. Nauch. trudy inst. ent. i fit. no.4:173-187 '53. (MLRA 9:4)

1. Chlen-korrespondent AN USSR.
(Phytoncides) (Plants, Protection of)

ZVEREZOMB-ZUBOVSKIY, Ye.V.

I.I. Mechnikov and A.O. Kovalevskii and plant protection.
Zashch. rast. ot vred. i bol. 6 no.11:59-61 N '61.
(MIRA 16:4)

1. Chlen-korrespondent AN UkrSSR.
(Mechnikov, Il'ia Il'ich, 1845-1916)
(Kovalevskii, Aleksandr Onufrievich, 1840-1901)
(Plants, Protection of)

ZVERIK, A., instruktor-aviamodelist

Airplane model propeller made of plastic. Kryl.rod. 11 no.7:
27-28 Jl '60. (MIRA 13:7)
(Propellers, Aerial--Models)

CZECHOSLOVAKIA

V. SKORPIL and E. ZVERINA, Neurosurgical Clinic Faculty General Medicine Charles University in Prague.

"Conduction Speed in Cranial Nerves in Man."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 3, May 63; pp 152-155.

Abstract [English summary modified] : Stimulation electromyography of facial nerve revealed conduction speed to be 42±4 (40-50) m/sec for m. frontalis, 43±4 (34-46) for m. zygomaticus; of accessory spinal nerve 71±11 (50-89) for m. trapezius and of hypoglossal 57±12 (40-75) for the lingual muscles. Two electromyograms and diagram showing placements of stimulating and recording electrodes for each of the 3 cranial nerves studied. Three references: US thesis, British, Czech.

1/1

SKORPIL, V.; ZVERINA, E.

The rate of conduction in the cranial nerves in man. Cesk. neurol. 26 no.3:152-156 My '63.

1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr. Z. Kunc.

(FACIAL NERVE) (ACCESSORY NERVE)
(HYPOGLOSSAL NERVE)

SKORPIL, V.; ZVERINA, E.

Quantitative evaluation of denervation fibrillations in electromyography with an electronic impulse counter. Cesk. neurol. 26 no.3:157-159 My '63.

1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr. Z. Kunc, DrSc.
(ELECTROMYOGRAPHY) (MYONEURAL JUNCTION)

CZECHOSLOVAKIA

V. SKORPIL and E. ZVERINA, Neurosurgical Clinic of Faculty of General Medicine of Charles University, Prague (Neurochirurgicka klinika fakulty vseobecneho lekarstvi Karlove University) Head (prednosta) Prof Dr Z. KUNC, DrSc; Prague.

"Quantitative Evaluation of Denervation Fibrillations in Electromyography by Means of an Electronic Impulse Counter."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 3, May 63; pp 157-159.

Abstract [English summary modified]: Needle-electrode direct stimulation of 23 denervated muscles in 16 patients with lesions of peripheral neurons 2.5 months to 6 years after denervation with electronic counter to define fibrillations quantitatively in time. Impulse, amplitude and frequency varied generally being highest immediately after needle insertion, decreasing then rapidly. One diagram, 1 Western and 8 Czech (including 1 unpublished, senior author's 1962 thesis) references.

SKORPIL, Vl.; VLADYKOVA, J.; ZVERINA, E.

The significance of electromyography of the oculomotor muscles for clinical practice. Cesk. oftal. 19 no.3:166-170 My '63.

1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr. Z. Kunc, DrSc. Oeni oddeleni UVN v Praze, vedouci doc. dr. V. Jensi.

(ELECTROMYOGRAPHY) (OCULOMOTOR MUSCLES)
(PERIPHERAL NERVE DISEASES) (MYONEURAL JUNCTION)
(MUSCULAR DISEASES)

SKORPIL, V.; ZVERINA, E.

Research on the conduction velocity of the ulnar nerve in man during general hypothermia. Cesk. neurol. 27 no.6:361-365 N '64.

1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi Karlovy University v Praze, (prednosta dr. Z. Kunc, DrSc.).

METELKA, M.; SKORPIL, V.; ZVERINA, E.; CERNA, J.

On the surgical treatment of facial nerve paralysis with the use of tissue adhesives. Cas. lek. cesk. 102 no.44:1216-1219 1 N '63.

1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi KU v Praze; Ustredni vojenska nemocnice, (prednosta prof. dr. Z. Kunc, DrSc.) a Fyziatricke oddeleni UVN v Praze, nacelnik MUDr. V. Stastny.

*

SKORPIL,V.; ZVERINA,E.

Possibilities of the quantitative evaluation of EMG activity with an electronic impulse counter in clinical practice. Cas. lek.cesk. 103 no.6:152-156 7 Mr'64

1. Neurochirurgicka klinika FVL KU Praha-Stresovice; prednosta: prof.dr. Z.Kunc.

CZECHOSLOVAKIA

SKORPIL, V. and ZVERINA, E., Clinic of Neurosurgery (Neurochirurgicka klinika), Faculty of General Medicine (Fakulta vseobecneho lekarstvi), Charles University, Prague, Prof. Dr. Z. KUNC, Dr of Sciences, director.

"A Method of the EMG Evaluation of Peripheral and Central Mechanisms of Motor Recovery in Anastomosis of the Facial and Hypoglossal Nerves."

Prague, Ceskoslovenska Neurologie, Vol XXVI(LIX), No 5, September 63, pp 317-320.

Abstract [Authors' English summary]: A method is described of the quantitative electromyographic evaluation of motor activity in the facial muscles after anastomosis of the seventh and twelfth cranial nerves, by which it is possible to assess the motor reinnervation and relation of the peripheral and central factors in the resulting recovery after anastomosis. The method is graphically demonstrated in two cases. Six references, including 5 Czech.

1/1

SKORPIL, V.; ZVERINA, E.

Some electrophysiological findings in disk lesions. Cesk. neurol. 27 no.5:281-284 S '64.

1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi Karlovy University v Praze, (prednosta prof. dr Z. Kunc, Dr.Sc.)

ZVERINA, Karel, inz. chemie; TURNWALD, Jan, promovany chemik

Small recuperative tanks as new glass melting units. Sklar a keramik 12 no.10:306-307 O '62.

1. Obalove a lisovane sklo, n.p., zavod Hermanova Hut.

ZVERINA, Karel, inz.

"Handbook on heat transmission" by S. S. Kutateladze and V. M. Borisanskij [Borishanskiy, V.M.]. Reviewed by Karel Zverina. Sklar a keramik 13 no.1:27 Ja '63.

ZVERINA, Miroslav

Economical use of oils. Inz stavby 11 no.2: Suppl: Mechanizace no.2: 31-32 '63.

1. Montovane stavby, n.p., Brno.

ZVERINA, Miroslav (Brno)

Some notes on the education of dirvers. Inz stavby 11 no.3: Suppl: Mechanizace no.3:33-34 '63.

MOTYLEV, Iu.L., kand. tekhn. nauk; ZVERINSKIY, G.I., prof.; KALYUZHNYY, I.S., kand. sel'khoz. nauk; AZIZOV, A.A., mlad. nauchnyy sotr.; POLETAYEV, A.V., kand. khim. nauk; ABRUTSKAYA, Ye.G., mlad. nauchnyy sotr. Prinimali uchastiye: BUTLITSKIY, Yu.V., mlad. nauchnyy sotr.; FEDOSEYEVA, T.I., mlad. nauchnyy sotr.; BIRUL', A.K., prof., doktor tekhn. nauk, retsenzent; ZVERINSKIY, G.I., inzh., retsenzent; KOVALEV, T.G., inzh., retsenzent; BASIN, M.M., inzh., retsenzent; DEBERDEYEV, B.S., red.; DONSKAYA, G.D., tekhn. red.

[Stability of earth roadbed and road mats in regions with artificial irrigation] Ustoichivost' zemlianogo polotna i dorozhnykh odezhd v raionakh iskusstvennogo orosheniia. [By] IU.L.Motylev i dr. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp.i shos. dorog RSFSR, 1961. 178 p. (MIRA 15:2)

(Uzbekistan--Road construction) (Uzbekistan--Irrigation)

ZVERINTSEVA, I.A.

Application of chen-chiu therapy to diseased conditions of the peripheral nervous system. Zdrav. Kazakh. 21 no.8:27-31 '61. (MIRA 14:9)

1. Iz kafedry nervnykh bolezney (zav. - dotsent R.G.Mandryko) Karagandinskogo meditsinskogo instituta.
(ACUPUNCTURE) (NERVOUS SYSTEM--DISEASES)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7

ULANOVA, Ye.S.; KONTORSHCHIKOVA, O.M.; ZVERINTSEVA, T.e.S.; YARTSEVA, N.A.; PROTSEROV, A.V., nauchnyy red.; MOKHOTSOV, A.M., red.; ZEMTSOVA, T.Ye., tekhn. red.

[Applicability of agrometeorological forecasting methods in different regions of the U.S.S.R.; results of field tests] Primenimost' metodov agrometeorologicheskikh prognozov v razlichnykh raionakh SSSR; rezul'taty proizvodstvennykh ispytanii. Pod red. A.V.Protserova, E.S.Ulanovoi. Moskva, Gidrometeor. izd-vo, 1961. 156 p. (MIRA 15:2)

1. Moscow. TSentral'nyy institut prognozov.
(Meteorology, Agricultural)

ZVERKIN, A.M.; KAMENSKIY, G.A.; MARKIN, S.B.; EL'SGOL'TS, L.E.

Differential equations with delay. Part 2. Trudy Sem. po teor. diff. urav. s otklon. arg. 2:3-49 '63.

(MIRA 18:2)

ZVERKIN, A.M.

Completeness of a system of partial solutions to a differential equation with time lag and periodic coefficients. Trudy Sem. po teor. diff. urav. s otklon. arg. 2:93-112 '63.

Solution of linear equations with delay using the method of successive integration. Ibid.:146-161

Exceptional case of the location of the roots of a quasi-polynomial. Ibid.:238-242

(MIRA 18:2)

ZVERKIN, A.M.

Effect of the choice of the initial moment on the stability of solutions to linear differential equations with delayed arguments. Vest.Mosk.un.Ser.rat., mekh., astron., fiz., khim. 14 no.5:15-20 '59. (MIRA 13:8)

(Differential equations, Linear)

66153

~~16(1)~~ 16.3400 SOV/20-128-5-4/67

AUTHOR: Zverkin, A.M.

TITLE: On the Theory of Linear Differential Equations Having a Lagging Argument and Periodic Coefficients

PERIODICAL: Doklady Akademii nauk SSSR,1959,Vol 128,Nr 5,pp 882-885(USSR)

ABSTRACT: The author states that not every linear differential equation with constant lagging of the argument can be reduced by linear transformation to an equation with constant coefficients. On the other hand there exists a class of irreducible equations, the partial solutions of which can be determined by means of the roots of a characteristic quasipolynomial. The author proposes a method which permits to obtain in this way a partial solution of

$$(6) \qquad y'(t) = \sum_{k=0}^{m} a_k(t)y(t-kT),$$

where $a_k(t+T)=a_k(t)$. He discusses the transfer of the method to systems. The obtained particular solutions form a fundamental system (sufficient condition), if the given system of equations is reducible to a system with constant coefficients. The author formulates a theorem on the stability of

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On the Theory of Linear Differential Equations Having a Lagging Argument and Periodic Coefficients

the solutions of (6) without proof.
There are 2 references, 1 of which is Soviet, and 1 English.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova (Moscow State University imeni M.V.Lomonosov)

PRESENTED: June 9, 1959, by I.G.Petrovskiy, Academician
SUBMITTED: June 5, 1959

ACC NR: AR6020782 SOURCE CODE: UR/0044/66/000/002/B091/B092

AUTHOR: Zverkin, A. M.

TITLE: A series expansion for the solution of linear differential difference equations. Part I. Quasi polynomials

SOURCE: Ref zh. Matem, Abs. 2B311

REF SOURCE: Sb. Tr. Seminara po teorii differents. uravn. s otklon. argumentom. T. 3. M., 1964, 3-38

TOPIC TAGS: linear differential equation, differential equation solution, difference equation, asymptotic expansion

ABSTRACT: The properties of the quasi-polynomials

$$D(\lambda)=\sum_{r=0}^{n}\sum_{p=0}^{m}a_{rp}\lambda^{r}e^{-\tau_{p}\lambda},$$

are studied with a_{rp} and τ_p constants. Some peculiarities of the distribution of the roots of quasi-polynomials $D(\lambda)$ are established together with their asymptotic behavior. The paper is basically a survey although it contains original proofs of certain theorems (estimates from below of the distance between the roots of the quasi-polynomial; the maximum possible multiplicity of the roots of the quasi-polynomial; the establishment of the fact that there exists only a single root with such a multi-

Card 1/2 UDC: 517.949.2

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7"

ACC NR: AR6020782

plicity, and the method is given for its finding; the estimates of the number of roots within the bands parallel to the real axis are also refined). Numerous already known theorems are proved by new methods. It is noted that the second part of the paper will be devoted to the expansion of the solution of linear stationary equations with varying arguments into series over the basic solutions of the form $P(t)e^{\lambda_i t}$, where $P(t)$ is a polynomial, and λ_i is the root of the characteristic quasi-polynomial. [Translation of abstract]. L. El'sgol'ts

SUB CODE: 12

Card 2/2

ZVERKINA, T.S.

Modified Adams formula for integrating equations with deviating argument. Trudy Sem. po teor. diff. urav. s otklon. arg. 3: 221-232 '65. (MIRA 19:1)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7"

BARDADYMOV, P.; ZVERKHOVSKIY, V.

Let's have more of the new and practical textiles of good appearance. Sov.torg. 33 no.9:14-19 S '59. (MIRA 12:12)

(Textile industry)

ZVERKIN, A.M.

Existence and uniqueness theorems for an equation with deviating argument in the critical case. Trudy Sem. po teor. diff. urav. s otklon. arg. 1:37-46 '62.

Equivalence of various classes of initial conditions for equations with deviating argument. Ibid.:63-68 (MIRA 16:12)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7"

69470

S/055/59/000/05/002/020

16.3400

AUTHOR: Zverkin, A. M.

TITLE: The Dependence of the Stability of Solutions of Linear Differential Equations With Lagging Argument on the Choice of the Initial Moment

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya matematiki, mekhaniki, astronomii, fiziki, khimii, 1959, No. 5, pp. 15-20

TEXT: The author considers equations of the type

$$(1)\quad y'(x) = \int_0^{\Delta(x)} y(x-s)\, dr(x,s), \qquad \Delta(x) \geq 0,$$

where the integration in the Stieltjes integral is carried out with respect to s. The author investigates the dependence of the stability of the solution on the initial moment of the perturbations. Especially the author considers cases, where the stability does not depend on the moment of the disturbing influence.

Theorem 1: For the stability of the trivial solution of (1), where $r(x,s)$ is a nondecreasing function of s for arbitrary x, $A \leq x < \infty$, it is necessary and sufficient that the integral

$$\int_A^{\infty} r(x, \Delta(x)) - r(x,0)\, dx$$

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The Dependence of the Stability of Solutions of Linear Differential Equations With Lagging Argument on the Choice of the Initial Moment

exists.

Theorem 4: If in the equation

(5) $y'(x) = a(x)y(x) + b(x)y(x - \tau(x)), \quad \tau(x) \geq 0$

it is $b(x) > 0$ for $x > M$ and $b(x) \neq 0$ in $[A,M]$, $\tau(x) \geq \alpha > 0$ and $\tau'(x) \leq 1 - \beta$, $\beta > 0$, then from the stability under perturbations in the point A it follows the stability under perturbations in an arbitrary point.

There are 2 Soviet references.

SUBMITTED: October 4, 1955

Card 2/2

4

ZVERKIN, A.M.; KAMENSKIY, G.A.; NORKIN, S.B.; EL'SGOL'TS, L.E.

Differential equations with deviating argument. Usp.mat.nauk. 17 no.2:77-164 Mr-Ap '62. (MIRA 15:12)
(Differential equations)

SARKISOV, E.S.; CHEBOTAREV, N.T.; NEVZOROVA, A.A.; TYER'KOV, A.I.

Oxidation of zirconium at high temperatures and the structure of oxide films. Atom. energ. 5 no.5:550-553 N '58. (MIRA 12:1)
(Zirconium oxides)

SOV/89-5-5-7/27

5(2)

AUTHORS: Sarkisov, E. S., Chebotarev, N. T., Nevzorova, A. A., Zver'kov, A. I.

TITLE: The Oxidation of Zirconium at High Temperatures and the Structure of the Primary Oxide Films (Okisleniye tsirkoniya pri vysokikh temperaturakh i struktura pervichnykh oksidnykh plenok)

PERIODICAL: Atomnaya energiya, 1958, Vol 5, Nr 5, pp 550-553 (USSR)

ABSTRACT: The investigation was carried out with two different layers of zirconium. In the first case, a small zirconium plate (dimensions: 8 . 15 . 0,5 mm) was used, which was produced by hot rolling. The plate was then annealed for one hour at a temperature of 700°C. Before oxidation the plate was chemically polished in a solution of 40 % nitric acid, 5 % hydrofluoric acid, and 55 % water.
Oxidation took place in steam and dry oxygen at temperatures of from 150 to 800°C and under atmospheric pressure. The time of exposure varied between 15 minutes and 10 hours. By means of the scattering method the electrograms were taken on an electronograph of the type EM-4.

The Oxidation of Zirconium at High Temperatures and the Structure of the Primary Oxide Films

In the second case the zirconium foils were produced by evaporation of the zirconium in a vacuum on a mica base. The foils produced were removed from the mica base in distilled water. Oxidation was carried out as described above. The radiographic investigations were carried out by means of a camera of the type RKU-86 (Cr radiation).
It was found that oxidation develops in stages. During the first stage of oxidation a thin layer with a marked textured cubic modification and characterized by very considerable passivation forms. The second stage is characterized by the occurrence of a textured monoclinic modification, which is located above the cubic modification. A further increase of the thickness of the foil is possible only at the expense of the increase of the internal monoclinic modification. The third stage of oxidation is characterized by the vanishing of the textured black oxidation layer which consists of the cubic and monoclinic modifications. The black layer goes over into a white one. At this instant the rate of oxidation of zirconium increases very considerably.

 The resistance to corrosion of the black layer might be

The Oxidation of Zirconium at High Temperatures and the Structure of the Primary Oxide Films

brought into connection with the presence of a textured solid solution of zirconium in ZrO_2. It was possible to show that the protective properties of the black layer apparently vanish as soon as a maximum of saturation of this solid solution with oxygen is attained. The consequence is that a non-textured white zirconium oxide with the well-known stoichiometric composition is formed. There are 6 figures, 2 tables, and 6 references, 0 of which is Soviet.

LEVCHANOVSKIY, G.N., kand.tekhn.nauk; YEGOROVA, Z.F., inzh.; ZVER'KOV, A.Ye.

Soil stabilization in Novosibirsk Province with pulverized quick lime treated for water resistance. Avt.dor. 24 no.5:10-12 My '61. (MIRA 14:6)

1. Nachal'nik Novosibirskogo dorozhno-stroitel'nogo upravleniya (for Zver'kov).
(Novosibirsk Province—Soil stabilization) (Lime)

report presented at the 1st All-Union Congress of Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb '60.

102. J. Dvorak (Prague): The state of stress and deformation of the turbine blades.

103. V. M. Dejk (Kharkov): On some new forms of the general solution of the three-dimensional problem of the theory of elasticity expressed in harmonic functions.

104. A. A. Dorkanbov (Stalinabad): Generalization of the method of steepest descent in structural mechanics.

105. B. V. Deriagin (Moscow), A. V. Bernin (Leningrad): Surface phenomena in the mechanics of alloys.

106. A. E. Dopov (Moscow): Experimental data concerning the propagation of vibrations of different frequencies in concrete mixtures.

107. G. Yu. Dzhanelidze (Leningrad): Almansi's problem.

108. M. I. Dlugach (Kiev): A finite difference analysis of cylindrical shells with rectangular holes.

109. M. I. Dlugach (Kiev): Generalization of Mohr's method of determining the displacements in problems of the theory of elasticity.

110. M. D. Dalberg (Kharkov): The construction of solutions of the equations of structural mechanics by means of special uniformly convergent series.

111. L. G. Drapkin (Leningrad): A method of investigating the states of stress and strain and the slip lines in anisotropic multilayer metals.

112. A. V. Diatlov (Dnepropetrovsk): The stability of an obliquely bent beam.

113. L. I. Distlovitskiy, L. B. Rakinovich (Kiev): A problem concerning elastic bodies whose configuration changes in the course of loading, with application to the erection of structures.

114. F. D. Budkinov (Leningrad): On the shear strength of structural rock foundations.

115. F. D. Budkinov (Leningrad): On friction in sandy soils and their shear strength.

116. K. E. Egorov (Moscow): The deformation of the ground under an annular foundation.

117. G. S. Eliseevskii (Moscow): On stresses and strains of thin-walled rods of variable cross section at normal and elevated temperatures.

118. Zh. S. Erzhanov (Dnepropetrovsk): Determination of the pressure on a tunnel facing taking account of the hereditary creep of soils.

119. Zh. S. Erzhanov (Dnepropetrovsk): The integral operator method of determining the creep characteristics of soils from observations in situ.

120. A. P. Ershov (Gorkii): The elastic-plastic bending of a bar.

121. A. M. Zhukov (Moscow): Elastic properties of a plastically deformed metals under combined loading.

122. V. A. Zhuravlev, A. P. Zaporozhets, N. P. Nagorny (Leningrad): Application of the method of characteristics to the determination of the tension in the cable of a mine elevator.

123. M. A. Zadoian (Erevan): On the propagation of plastic zones in a beam under impulsive loading.

124. L. I. Zaitsev (Moscow): On the surface-creep curve.

125. V. V. Zvezdnikov, Zh. M. Leta (Leningrad): An experimental study of creep-rupture characteristics of tubes under combined stresses.

126. S. V. Zvolinskii (Moscow): The propagation of an elastic wave due to an underground explosion.

127. A. N. Zelenin (Moscow): On the state of stress in compression and its effect on the construction of Mohr's circles.

128. V. K. Zilova, Ya. B. Fridman (Moscow): The laws of deformation and rupture kinetics.

129. P. L. Ivanov (Leningrad): Flow of water-saturated soils under dynamic loading

130. V. S. Ivanova (Moscow): The hypothesis of energetic similarity in fatigue fracture and the melting of metals.

131. D. D. Ivlev (Voronezh): On the anisotropy of elastic and plastic bodies.

132. V. N. Iastov, Iu. I Iagi (Leningrad): Plastic tension and torsion of thin-walled nickel tubes that have become anisotropic through prior plastic deformation.

133. Iu. E. Ilenko, B. N. Sokolov (Moscow): Investigation of elastic strains and vibrations in aircraft structures by means of electronic computers.

5

7(0)

AUTHOR: Zver'kov, B. V. SOV/32-24-12-37/45

TITLE: Machine for Studying the Endurance of Tubes Under Pressure With Cyclic Deflection (Mashina dlya issledovaniya dlitel'noy prochnosti trub pod davleniyem s tsiklicheskim izgibom)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol 24, Nr 12, pp 1514 - 1516 (USSR)

ABSTRACT: The machine mentioned in the title was developed, produced, and used in the institute mentioned in the association in the beginning of 1957. The testing conditions correspond to the working conditions of tubes and vapor conductors in boiler works. The diagram given (Fig 1) indicates that the tube sample is located in an electric furnace. The loading for the cyclic bending of the sample is carried out using an electric motor over an eccentric wheel. The pressure within the system is achieved in the same way as in the TsKTI apparatus, used for testing the endurance of tubes toward internal

pressure (Ref 1). The error in measurement in relation to the bending moment is about 3%. The placing of the machine on the desired loading cycle is carried out by using cells attached to the lever. 15, 30, and 60 cycles per minute are proposed. Two samples can be determined simultaneously on the machine. There are 2 figures and 1 Soviet reference.

ASSOCIATION: Tsentral'nyy kotloturbinnyy institut im.I. I. Polzunova (Central Boiler-Turbine Institute imeni I. I. Polzunov)

ZAKHAROV, A.A.; ZVER'KOV, B.V.; PIATONOVA, N.G.

Device for testing specimens for long-period strength in bending in tensile-testing machines. Zav.lab. 28 no.8:1005-1006 '62. (MIRA 15:11)

1. TSentral'nyy kotloturbinnyy institut imeni I.I.Polzunova.
(Testing machines)

AUTHOR: Zver'kov B.V. (Engineer)

TITLE: The long term strength of tubes with complex loading. (Dlitel'naya prochnost' trub pri slozhnykh nagruzkakh.)

PERIODICAL: Teploenergetika, 1958, No.3. pp. 51-54 (USSR)

ABSTRACT: An installation for testing the long term strength of tubes with combined internal pressure and bending is illustrated diagrammatically in Fig.1 and a corresponding installation for combined pressure and torsion in Fig.2. The test section of the tube was contained in an electric furnace. The accuracy of the test data was of the order of 3 - 5%. The test specimens were made of austenitic steel ЭИ-694 (1Х13Н16Б). For long term tensile tests the samples were made in the form of cylinders of 4.6 - 5.1 mm diameter with a length to diameter ratio of about 10 cut from the wall of the tube. For the main tests the specimens were pieces of steam superheater tubes of 32 x 5.6 mm in the condition as delivered. Tables 1 & 2 give data on long term strength tests on specimens in tension and tubes under pressure. Table.3 gives data for tubes subject only to torque and they lost their stability, large cracks were formed on the surface of the specimens. The results of tests with combined pressure and twisting are given in Table.4. There were individual cracks formed on the outer surface of the specimens and on the internal surface there was a network of fine cracks. (See illustrations in Figs.3 & 4). The results of tests on tubes

ZVER'KOV, S.N., gornyy inzh.; STEPASHKO, A.P., gornyy inzh.; GRIGOR'YANTS, E.A., gornyy inzh.

Improving the technology of boring and blasting operations at Noril'sk Combine strip mines. Gor. zhur. no.6:11-16 Je '65.

Improving boring and blasting operations at the "Zapolyarnyy" mine. Ibid.:25-28 (MIRA 18:7)

ZVER'KOV, S.N., gornyy inzh.

Large-scale hole firing in an open-pit mine beyond the Arctic Circle. Gor. zhur. no.12:27-29 D '60. (MIRA 13:12)

1. Noril'skiy gorno-metallurgicheskiy kombinat.
(Noril'sk--Strip mining) (Blasting)

ZVER'KOV, S.N., gornyy inzh.; LOMONOSOV, G.G., gornyy inzh.

Kind of explosives needed by the "Medvezhiy Ruchey" mine. Gor. zhur. no.10:41-43 O '58. (MIRA 11:10)

1. Rudnik "Medvezhiy ruchey."
(Noril'sk--Mining engineering) (Explosives)

LOMONOSOV, G.G., gornyy inzh. ; ZVER'KOV, S.N.

Water blasting method of breaking oversized rocks in open pits. Gor. zhur. no.4:35-37 Ap '63. (MIRA 16:4)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki (for Lomonosov). 2. Glavnyy inzh. rudnika "Yuzhnyy" (for Zver'kov).
(Blasting)

ZVEREKOVA, A.S.

Differential diagn. of acute agranulocytosis and acute aleukemic leukemia. Trudy Kiev. nauch.-issl. inst. perel. krovi i neotlozh. khir. 3:194-200 '61. (MIRA 17:10)

1. Kiyevskiy institut perelivaniya krovi.

ZVERKOVA, A. S. Cand Med Sci -- "Role of auto-antibodies in the pathogenesis of agranulocytosis and other types of [redacted] leukopenia." Kiev, 1961 (Kiev Order of Labor Red Banner Med Inst im Academician A. A. Bogomolets). (KL, 4-61, 209)

T

COUNTRY : USSR
CATEGORY : Human and Animal Physiology, Blood

ABS. JOUR. : RZhBiol., No. 5 1959, No. 21996

AUTHOR : Zverkova, A.S.
INST. : --
TITLE : The Role of Autoantibodies in the Pathogenesis of Agranulocytosis and other Types of Leukopenia.

ORIG. PUB. : Vrachebn. delo, 1957, No. 4, 347--350

ABSTRACT : Of the 75 patients followed, 14 had agranulocytosis, 37 had other types of leukopenia, and 24 had normal leukocyte levels. Autoantibodies (leukoagglutinins and leukolysins) were detected in the serum of the patients with agranulocytosis. The serum of these patients agglutinated the granulocytes in the blood of healthy subjects and patients with myeloid leukemia, but did not agglutinate lymphocytes and monocytes. A relationship was established between the intensity of agglutination and leukolysis and the clinical state of the

Card: 1/2

ZVER'KOVA, F. A.

Vitamin A in dermatology and hypervitaminosis A. Vest. derm. i ven. no.6:10-17 '61. (MIRA 15:4)

1. Iz kafedry kozhnykh bolezney (zav. - prof. S. Ya. Golosovker) Leningradskogo pediatricheskogo meditsinskogo instituta (dir. - kandidat meditsinskikh nauk Ye. P. Semenova)

(VITAMINS--A) (HYPERVITAMINOSIS) (DERMATOLOGY)

782. ROLE OF VITAMIN A AND CAROTENE IN SOME SKIN DISEASES OF INFANTS IN THEIR FIRST YEAR OF LIFE (Russian text) - Zverkova F. A. - VOPR. OKHR. MATER. I DETS. 1957, 2 (19-27)

Blood concentration of vit. A and carotene of breast-fed infants suffering from various skin diseases and of their mothers was studied. A control group of healthy babies and their mothers was also investigated. It was found that: (1) Vit. A and carotene contents of the blood of healthy infants under one year of age show seasonal variation and changes dependent on the type of feeding. (2) In the case of erythroderma desquamativum the blood level of those substances is greatly lowered. (3) This fall depends on both exogenic and endogenic factors (gastro-intestinal disorders, disorders of liver function). (4) Vit. A and carotene concentration in the blood and milk of mothers breastfeeding babies suffering from erythroderma desquamativum is low. Addition of those substances to the diet of the mothers constitutes an integral part of the treatment. (5) In dermatitis herpetiformis of the newborn the blood levels of vit. A and carotene are low. This fall becomes even more accentuated in exfoliative dermatitis. (6) In cases of infantile eczema the amounts of circulating vit. A and carotene are larger than normal as a result of interference with general metabolism. (7) Administration of vit. A to infants suffering from eczema helps in restoration of normal metabolism. Administration of vit. A during pregnancy, especially in cases of toxaemia of pregnancy, is an important factor in prevention of skin disease in infants. (S)

ZVEREVA, V.A.

Use of short-wave ultraviolet radiation in work rooms of the V.I.Lenin All-Union State Library. Uch.zap. Mosk.nauch. issl.inst.san.i gig no.4:51-52 '60 (MIRA 16:11)

Survival of intestinal microbes and staphylococci in cottage cheese kept in refrigerators for long periods at sub-zero temperatures. Ibid.:57-59.

ZVEREVA, V.A.

Karst and caves in the Southern Urals; annotated bibliographical index of the Russian literature, 1918-1960. Nov.kar.i spel. no.3: 87-94 '63. (MIRA 16:10)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7

KOCHNOV, V.Ye.; ZVEREVA, V.A.; GERSHMAN, R.B.; VASIL'YEVA, S.M.

Formation and decomposition of austenite in cold-rolled transformer steel. Fiz. met. i metalloved. 19 no.6:926-929 Je '65. (MIRA 18:7)

1. Nauchno-issledovatel'skiy institut metallurgii, Chelyabinsk.

KALINA, G.P.; DIANOVA,Ye,V.; BUGROVA,V.I.; KRYLOVA,M.D.; PONOMAREVA, Ye.P.; STEPANENKO, V.K.; ZVEREVA.V.A.

Problems of sanitary bacteriology. Uch.zap.Kuk.nauch.issl.san. i gig. no.4: Frontpage .'60 . . (MIRA 16:11)

Behavior of dysentery bacteria in an external medium. Ibid.:5-10

ZVEREVA, V.A.; BELYAYEVA, T.N.

Dutch cheese as a possible source of food poisoning of a staphylococcal nature. Uch.zap. Mosk. nauch. issl. inst. san. i gig. no.4:53-56 '60 (MIRA 16:11)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7

S/279/63/000/001/011/023
E075/E452

AUTHORS: Gershman, R.B., Belikov, A.M., Zvereva, V.A., Vasil'yeva, S.V. (Chelyabinsk)

TITLE: Curie points of cementite after isolation from alloy steels

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Metallurgiya i gornoye delo. no.1, 1963, 119-120

TEXT: Since the magnetic properties of isolated alloyed cementite have not been adequately studied and existing literature data are contradictory, the authors determined the Curie points of cementite isolated from seven alloy steels (composition given). The steels were induction melted and the ingots forged into rods from which specimens were prepared. The specimens were homogenized and hardened from 950 or 1300°C in a 10% potassium hydroxide aqueous solution or oil. Each type of steel was annealed by 5 to 6 different methods to obtain the maximum content of the alloy element in cementite. The cementites were isolated electrolytically. The proportions of the alloying elements in the carbide residues were determined chemically and the amounts dissolved in a

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7

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E075/E452

Curie points of cementite ...

given carbide were determined from changes in volume of the ... lattice or from the spacing. The effect of temperature ... magnetization of carbide powder was determined with a magnetic balance in fields far removed from saturation. It was found that the Curie point of the cementite was not changed by ... the steel with nickel, niobium or vanadium. Alloying the steel with tungsten somewhat lowered the Curie point temperature ... ying the steel with molybdenum reduced it still more. ... dissolves in cementite in large quantities, caused a very marked decrease in the Curie point temperature. There are 1 figure and 2 tables.

SUBMITTED: April 24, 1962

Card 2/2

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7

ACC NR: AP6015677 (A) SOURCE CODE: UR/0413/66/000/019/0026/0026

INVENTOR: Simonov, V. D.; Shakirova, A. M.; Savin, V. P.; Zvereva, V. V.; Romanovich, V, I.; Naumkin, P. V.

ORG: none

TITLE: Preparation of thiolcarbamates. Class 12, No. 186437 [announced by Ufa Branch of the All-Union Scientific Research Institute of Chemicals for Plant Protection (Ufimskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta khimicheskikh sredstv zashchity rasteniy)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 26

TOPIC TAGS: thiolcarbamate, carbamic acid, organic salt, alkyl halide, halide

ABSTRACT: In the proposed method for preparing thiolcarbamates of the general formula

$$\begin{matrix} R'' \\ R''' \end{matrix}\!\!>\!NCOSR',$$

(where R', R", and R"' are saturated alkyls) by the reaction of salts of thiocarbamic acid with alkyl halides on heating, saturated alkyl halides are used as the alkylation reagents and the process is conducted—

Card 1/2 UDC: 547.496.1.07

ACC NR: AP6035677

at 100—130°C, 5—10 atm in an inert solvent, e.g., petroleum ether. [W.A. 50]

SUB CODE: 07/ SUBM DATE: 09Nov65

Card 2/2

ZVEREVA, Ye.A.; GUREYEV, V.F.

Geology and formation characteristics of the weathering surface of a carbonate massif. Kora vyvetr. no.6:187-194 '63. (MIRA 17:9)

1. TSentral'nyy nauchno-issledovatel'skiy gornorazvedochnyy institut tsvetnykh redkikh i blagorodnykh metallov, Moskva.

GODLEVSKIY, M.N., doktor geol.-mineral. nauk; ZVEREVA, Ye.A.; PISEMSKIY, G.V.

Il'ia Isaakovich Ginzburg, 1881?-1965; an obituary. Zap. Vses. min. ob-va 94 no.5:621-622 '65. (MIRA 18:11)

1. Deystvitel'nyy chlen Vsesoyuznogo mineral'nogo obshchestva (for Godlevskiy).

BUGEL'SKIY, Yu.Yu.; VITOVSKAYA, I.V.; GODLEVSKIY, M.N.; ZVEREVA, Ye.A.; KORIN, I.Z.; NIKITIN, K.K.; NIKITINA, A.P.; PISEMSKIY, G.V.; SAPOZHNIKOV, D.G.; SOKOLOV, G.A.; CHUKHROV, F.V.; SHCHERBAKOV, D.I.; EDEL'SHTEYN, I.I.; YANITSKIY, A.A.

Il'ia Isaakovich Ginzburg, 1882?-1965; obituary. Geol.rud.mestorozh. 7 no.4:109-110 Jl-Ag '65. (MIRA 18:8)

ZVEREVA, Ye. A., Cand Agr Sci -- (diss) "Differentiation of methods in land-reclamation work in salt swamps with different upper-level fertility." Moscow, 1960. 20 pp; (All-Union Order of Lenin Academy of Agricultural Sciences im V. I. Lenin, All-Union Scientific Research Inst of Fertilizers and Agro-soil science, VIUA); 150 copies; price not given; (KL, 17-60, 163)

GOLUBEV, D.B.; CHEBOTAREV, Ye.N.; VASILETS, I.M.; AKSENOV, O.A.; ZVEREVA, Ye.P.

Changes in the membrane permeability of tissue culture cells during the reproduction of viruses. TSitologiia 7 no.3:356-365 My-Je '65. (MIRA 18:10)

1. Laboratoriya virusnykh preparatov Instituta vaktsin i syvorotok i laboratoriya biokhimicheskoy genetiki Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.

GOLUBEV, D.B.; ZUBZHITSKIY, Yu.N.; ZVEREVA, Ye.P.; SIMANOVSKAYA, V.K.; LIPINA, N.V.; YABROV, A.A.

Change in cellular permeability in the process of symplasm formation induced by some viruses in the tissue. Vop. virus. 10 no.5:544-550 S-O '65. (MIRA 18:11)

1. Nauchno-issledovatel'skiy institut vaktsin i syvorotok i Institut eksperimental'noy meditsiny AMN SSSR, Leningrad.

ACCESSION NR: AT4028301 S/2667/63/000/024/0066/0091

AUTHOR: Guterman, I. G.; Dunayeva, S. I.; Zvereva, Ye. P.; Marchenko, A. S.

TITLE: Climatic characteristics of the wind in a model of the standard atmosphere

SOURCE: Moscow. Nauchno-issledovatel'skiy institut aeroklimatologii. Trudy*, no. 24, 1963, 66-91

TOPIC TAGS: standard atmosphere, meteorology, climatology, wind, wind velocity, wind direction, troposphere, stratosphere

ABSTRACT: A method has been developed for processing aerological observations for a 10-year period (1950-1959) to the 30-mb isobaric surface for the determination of wind characteristics, averaged over large regions and the hemisphere. The determined characteristics are recommended as the first variant of a model of a standard atmosphere for the northern hemisphere. Wind parameters were determined for January, for July and for the year to a height of 25 km. The principal parameters used for this model were the mean scalar velocity of the wind for the month and the year and the resultant wind vector (value and direction). Both characteristics were determined using data for 200 stations, a total of 470,000 observations, processed by electronic computer. Principles and methods employed in this study are described fully. The many difficulties in handling this complex problem

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are discussed. Wind parameters are summarized and analyzed for six geographic regions within which the character of wind distribution can be considered homogeneous in the first approximation. Nonuniformity of station distribution and decreasing number of observations at greater heights are taken into account. In this process data were averaged for 206 equal-area squares in the northern hemisphere. The six regions for which data are generalized are: polar regions; Europe and part of Asia; North America and the North Atlantic; North Africa and Central Asia; North Pacific Ocean and the Far East; and the equatorial and tropical regions. The following section headings indicate the nature of the development of the paper: Introduction; characteristics of the data used; principal geographic regions defined for the purpose of description of wind over the northern hemisphere; the wind vector as a random value; determination of the climatic characteristics of the wind; general principles for determining mean parameters for regions and the hemisphere; averaging data for stations; averaging data for regions and the hemisphere; determination of wind characteristics for standard heights; practical computation of derivatives of wind parameters at standard heights. Orig. art. has: 29 formulas, 11 figures and 3 tables.

ASSOCIATION: Nauchno-issledovatel'skiy institut aeroklimatologii, Moscow (Scientific Research Institute of Aeroclimatology)

ACCESSION NR: AT4028301

SUBMITTED: 00 DATE ACQ: 16Apr64 ENCL: 00

SUB CODE: AS NO REF SOV: 014 OTHER: 007

Card 3/3

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BOOK EXPLOITATION

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(47+57)

Zvereva, Ye. P.

Interdiurnal variability of pressure, temperature and winds over the U.S.S.R. (Mezhdusutochnaya izmenchivost' davleniya, temperatury i vetra nad SSSR) Leningrad, Gidrometeoizdat, 1964. 0081 p. illus., biblio. 630 copies printed. (At head of title: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR) Moscow. Nauchno-issledovatel'skiy institut aeroklimatologii. Trudy vyp. 22

TOPIC TAGS: atmospheric temperature, wind direction, climatology, atmospheric pressure, wind velocity, troposphere, weather map, diurnal variation

PURPOSE AND COVERAGE: The book examines the distribution peculiarities of absolute interdiurnal variations in temperature, pressure, wind velocity and direction at different levels of troposphere over the USSR. Maps of interdiurnal variations are included. They contain elements of four central seasonal months, which give a picture of the peculiarities of seasonal and geographical variations. The book is intended for scientific and operative workers in meteorology and aeroclimatology.

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R0020657100l2-7"

L 1598-66

AM5009856

Data on variations in meteorological elements can also be used in various calculations of aerial navigation.

TABLE OF CONTENTS (abridged):

SUB CODE: ES

SUBMITTED: 27May64

NR REF SOV: 017

OTHER: 013

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7

ZVEREVA, V.B., [illegible]; KOTIKOVSKAYA, A.B., red.

[Day-to-day variability in pressure, temperature and wind over the U.S.S.R. Mezhdusutochnaia izmenchivost' davleniia, temperatury i vetra nad SSSR. Leningrad, Gidrometeoizdat, 1964. 81 p. (Moscow. Nauchno-issledovatel'skii institut aeroklimatologii. Trudy, no.22).
(MIRA 17:10)

ZVEREV, N.I.; ZVEREVA, Ye.P.

Statistical analysis of the effect of various layers of the troposphere on changes of pressure at the earth's surface. Trudy TSIP no.139:59-66 '65. (MIRA 18:6)

ZVEREVA, Ye.S.; ROGOV, A.I.

Moscow conference of readers of this periodical. Med. sestra 20 no.10:60 O '61. (MIRA 14:12)

(NURSES AND NURSING--PERIODICALS)

ZVEREVA, Ye.S., meditsinskaya sestra (Moskva)

Procedure of the distribution of medicine and fulfillment of assignments. Med.sestra 21 no.10:55 O '62. (MIRA 16:4)
(NURSES AND NURSING)

VOLOSHCHUK, V.U.; TRIFONOVA, R.G.; ZVEREVA, Ye.V.; TARNAVSKIY, A.L.; ASHURKINA, Ye.M.; IVANOV, V.P.

New developments in research. Stal' 23 no.9:858 S '63. (MIRA 16:10)

SOV/81-59-16-58481

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, pp 407-408 (USSR)

AUTHORS: Nikolayeva, V.G., Zvereva, Ye.V.

TITLE: The Intensified Investigation of Kerosene-Gas Oil Fractions of Direct Distillation and Catalytic Cracking

PERIODICAL: V sb.: Sostav i svoystva neftey i benzino-kerosinovykh fraktsiy. Moscow, AN SSSR, 1957, pp 467-497

ABSTRACT: Kerosene-gas oil fractions of 200 - 350°C of Romashkino Devon petroleum (R), 200 - 400°C of Tuymazy Devon petroleum (T) and gas oil of catalytic cracking of Romashkino petroleum (C) were investigated by a combination of the methods of exact rectification, deparaffination by carbide, chromatography on SiO_2, catalytic dehydrogenation and structure-group analysis of narrow fractions (with the application of infrared spectroscopy to n-paraffins). In R, 14% of n-paraffins and 30% of aromatic hydrocarbons (H) were found, in T-14 and 33%, respectively. The monocyclic and bicyclic aromatic H of both fractions contain naphthene rings and S-compounds. The total quantity of naphthenes in R is 19%, in T - 24% (8.8% six-membered naphthenes). In C 14% n-paraffins, 66% aromatic + unsaturated

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The Intensified Investigation of Kerosene-Gas Oil Fractions of Direct Distillation and Catalytic Cracking

paraffins are contained (11.5% unsaturated). Mono-, bi-, tri- and polycyclic aromatic H have been found; the naphthene rings contain only monocyclic H, the S content reaches 5.4%. The content of naphthenes is 5 - 6% (in individual fractions 10 - 15%). The individual n-paraffins of all three fractions can be separated with a high degree of purity.

Ye. Pokrovskaya.

ZVEREVA, Ye.A.

Differentiation of cultivation measures applied for the improvement of various Solonetz soils. Dokl. Akad. sel'khoz. 23 no.10:35-41 '58. (MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya. Predstavlena akademikom P.V. Baranovym.
(Solonetz soils)

ZVEREVA, Ye.M.

Our experience in the preparation of the transition to a seven-hour work-day. Tekst.prom. 20 no.5:9-10 My '60. (MIRA 13:8)

1. Direktor leningradskogo pryadil'no-nitochnogo kombinata "Sovetskaya zvezda".
(Leningrad--Textile industry)
(Hours of labor)

ZVEREVICH, Ye.S.

Drying generators in the power section of sugar refineries.
Sakh.prom.30 no.1:29-32 Ja '56. (MLRA 9:6)

1.Energoprodmontazh.
(Electric generators)

PHASE I BOOK EXPLOITATION SOV/4959

Ural'skoye soveshchaniye po spektrosk

Materialy 2 Ural'skogo soveshchaniya po spektroskopii, Sverdlovsk, 1958 g. (Materials of the Second Urals Conference on Spectroscopy, Held in Sverdlovsk, 1958) Sverdlovsk, Metallurgizdat, 1959. 206 p. Errata slip inserted. 1,000 copies printed.

Sponsoring Agency: Ural'skiy filial Akademii nauk SSSR. Komissiya po spektroskopii and Ural'skiy dom tekhniki VSNTO.

Eds.: Aron Borisovich Shayevich and Gerasim Pavlovich Shemyakhova; Tech. Ed.: R. M. Matlyuk.

PURPOSE: This collection of articles is intended for spectral analysis laboratory workers at ferrous and nonferrous metallurgical plants, and for laboratory personnel of the metal-working industry, geological and prospecting organizations, and similar scientific research laboratories.

COVERAGE: The collection contains papers read at the Second Urals Conference on the spectral analysis of ferrous and nonferrous metals and alloys, slags, ores, agglomerates, refractories and other materials used in industry. The material of the conference includes articles on the analysis of steels (including the determination of gases), ferroalloys, nonferrous and light metals and alloys, pure noble metals, etc. The present volume is intended to disseminate the latest experience in working with spectral laboratories, and to report on the results of scientific research. The author thanks B. I. Gutkina and Ya. M. Baranyev. Almost all of the articles are accompanied by references.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7"

11(4) PHASE I BOOK EXPLOITATION SOV/2075

Akademiya nauk SSSR. Bashkirskiy filial, Ufa

Khimiya seraorganicheskikh soyedineniy, soderzhashchikhsya v neftyakh i nefteproduktakh; [materialy III nauchnoy sessii] (Chemistry of Sulphur Organic Compounds Contained in Petroleum and Petroleum Products; [Papers of the Third Scientific Session]) Moscow, Izd-vo AN SSSR, 1959. 376 p. 2,000 copies printed. Errata slip inserted.

Editorial Board: R.D. Obolentsev (Resp. Ed.) Doctor of Chemical Sciences; G.D. Gal'pern, Doctor of Chemical Sciences; Ya. B. Chertkov, Doctor of Technical Sciences; V.V. Panov, Candidate of Technical Sciences; and V.P. Rozhdestvenskiy, Candidate of Chemical Sciences; Ed. of Publishing House: I.I. Brusov; Tech. Ed.: T.P. Polenova.

PURPOSE: This book is intended for chemists, chemical engineers, and technicians specializing in the chemistry of petroleum.

COVERAGE: The book is a collection of papers presented at the Third Scientific Session on the Chemistry of Organic Sulfur- and Nitrogen Compounds Contained in Petroleum and Petroleum Products. The scientific session was held in Ufa, June 5-8, 1957. The book consists of six sections: 1) Synthesis, characterization, and analysis of organic sulfur compounds; 2) Separation and composition of organic sulfur compounds contained in petroleum and petroleum products; 3) Transformation of organic sulfur compounds by thermal catalysis; 4) Corrosive properties of and tar formation in sulfur-containing petroleum and petroleum products; 5) Uses of organic sulfur compounds and hydrogen sulfide; 6) Physiological properties of organic sulfur compounds. No personalities are mentioned. There are 315 references, of which 179 are Soviet, 118 English, 5 French, 12 German, and 1 Czech.

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Chemistry of Sulphur Organic Compounds (Cont.) SOV/2075

Card 6/10

NIKOLAYEVA, V.G.; ZVEREVA, Ye.V.

Effect of the refining method on the hydrocarbon composition of fractions containing organic sulfur compounds. Khim.sera.-i asotorg.soed. sod.v neft.i nefteprod. 3:397-405 '60. (MIRA 14:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.
(Petroleum--Refining) (Hydrocarbons) (Sulfur organic compounds)

S/081/61/000/019/064/085
B117/B110

AUTHORS: Nikolayeva, V. G., Zvereva, Ye. V.

TITLE: Effect of refining processes on the hydrocarbon composition of fractions containing organic sulfur compounds

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 421, abstract 19M155 (Sb. "Khimiya sera- i azotorgan. soyedineniy, soderzhashchikhsya v neftyakh i nefteproduktakh". Ufa, v. 3, 1960, 397 - 405)

TEXT: Fractions of monocyclic and bicyclic aromatics which were separated from gas oil obtained by direct distillation and by catalytic cracking, were purified from sulfur compounds by adsorption on ACK (ASK) silica gel. Refining was conducted by two methods: (a) oxidation with H_2O_2 in acetic medium, (b) by hydrogenation on an aluminum - cobalt - molybdenum catalyst. Aromatic hydrocarbons were oxidized within 8 hr at 70°C. The total content of aromatic hydrocarbons in the fractions proved to be unchanged after refining by oxidation. The number of aromatic rings calculated by the method n = d = M was somewhat reduced, especially as regards bicyclic aromatics. The elementary composition of oxidized organic sulfur compounds

Effect of refining...

S/081/61/000/019/064/085
B117/B110

was studied. Hydrogenation of the benzene cycle in hydrogenetive refining of monocyclic aromatic hydrocarbons was not noticed on the aluminum - cobalt - molybdenum catalyst at an initial H_2 pressure of 70 atm and a temperature of 350°C. In hydrogenetive refining of bicyclic aromatics considerable amounts of tetralin derivatives were obtained. [Abstracter's note: Complete translation.]

Card 2/2

KRAVTSOV, V.I.; ZVEREVICH, G.V.

Galvanostatic study of the processes of electrodeposition and anodic solution of zinc in zinc perchlorate solution. Vest. LGU. 18 no.16:103-109 '63. (MIRA 16:11)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7"

ACCESSION NR: AT4043065 S/2834/63/042/003/0025/0034

AUTHOR: Maslenitskiy, I. N., Zverevich, N. V.

TITLE: Amalgamation of Fe-Ni alloys

SOURCE: Leningrad. Gorny*y institut. Zapiski, v. 42, no. 3, 1963. Khimiya, metallurgiya, obogashcheniye (Chemistry, metallurgy, ore concentration), 25-34

TOPIC TAGS: nickel iron alloy, permalloy, kovar, alloy EI996, platinum, Armco iron, nickel iron alloy amalgamation, zinc amalgam, alloy surface wettability, oxide film effect, amalgamation

ABSTRACT: Amalgamation of Permalloy, Kovar (18% Co, 29% Ni, 53% Fe), alloy EI996 (2% Be, 98% Ni), platinum and "Armco" iron was studied by measuring wettability by mercury under various conditions calculated to prevent formation of oxide films. These included hydrogen reduction of the test plates and wetting under an acid layer following electrolytic reduction of oxide films. Surface preparation and experimental techniques are described. Other experiments involved effects of temperature, environment, hydrogen pressure and the Hg-Pd contact period on solubility of Pd coatings in mercury, as well as the wetting of these metal and alloy surfaces by zinc, ammonium and sodium amalgams. The results indicate that amalgamation of iron-nickel alloys cannot be effected

ACCESSION NR: AT4043065

by standard methods, as wetting of the metal surface by mercury is obstructed by the instantaneous formation of oxide films. Hydrogen reduction of oxides was ineffective due to immediate reoxidation and even contacts in a hydrogen atmosphere did not insure good results in most cases. However, exposure of the metal surface to zinc amalgam in an acid medium insured good amalgamation. Orig. art. has 1 table, 5 graphs, 3 chemical equations and 1 diagram.

ASSOCIATION: Leningradskiy ordenov Lenina i Trudovogo Krasnogo Znameni gorny*y institut im. G. V. Plekhanova (Leningrad Mining Institute)

SUBMITTED: 00 ENCL: 00

SUB CODE: MM NO REF SOV: 005 OTHER: 006

Card 2/2

MASLENITSKIY, I.N.; ZVEREVICH, N.V.

Amalgamation of iron-nickel alloys. Zap. LGI 42 no.3: 25-34 '63. (MIRA 17:10)

ZVEREVICH, N., inzh.-podpolkovnik

Evaluating the piloting skill. Av. i kosm. 47 no.4:60-61 Ap '65.
(MIRA 18:4)

MASLENITSKIY, I.N.; ZVEREVICH, N.V.

Hydrometallurgical separation of metallized copper-nickel matte. TSvet. met. 38 no.1:46-47 Ja '65 (MIRA 18:2)

ANDREYEV, Sergey Yefimovich; ZVEREVICH, Viktor Vladimirovich; PEROV, Valentin Aleksandrovich; VERKHOVSKIY, I.M., prof., retsenzent; PREYGERZON, G.I., dots., retsenzent; KUDENKO, K.G., dots., retsenzent; OLEVSKIY, V.A., kand. tekhn. nauk, retsenzent; RYKOV, N.A., otv. red.; GARBER, T.N., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Crushing, milling, and screening minerals]Droblenie, izmel'chenie i grokhochenie poleznykh iskopaemykh. Moskva, Gosgortekhizdat, 1961. 384 p. (MIRA 15:9)
(Ore dressing)

ANDREYEV, Sergey Yefimovich; ZVEREVICH, Viktor Vladimirovich; PEROV, Valentin Aleksandrovich; VERKHOVSKIY, I.M., prof., retsenzent; FREYGERZON, G.I., dots., retsenzent; RUDENKO, K.G., dots., retsenzent; OLEVSKIY, V.A., kand. tekhn. nauk, retsenzent; RYKOV, N.A., otv. red.; GARBER, T.N., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Crushing, milling, and screening of minerals] Droblenie, izmel'chenie i grokhochenie poleznykh iskopaemykh. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 384 p. (MIRA 15:3)

(Ore dressing)

PARAIL, Vladimir Alekseyevich, kand. tekhn. nauk, dotsent; PODZOLOV, Richard Georgiyevich, starshiy nauchnyy sotrudnik; ZVEREVICH, Vitaliy Yevgen'yevich, aspirant

Creepate of an asynchronous short-circuited motor caused by additional rectified current feed. Izv. vys. ucheb. zav.; elektromekh. 8 no.1:48-54 '65. (MIRA 18:3)

1. Prorektor Odesskogo politekhnicheskogo instituta (for Parail).
2. Odesskiy politekhnicheskiy institut.

BATIASHVILI, I.D.; BEY-BIYENKO, G.Ya.; BOGDANOV-KAT'KOV, N.N.; GERASIMOV, B.A.; GILYAROV, M.S.; DMITRIYEV, G.V.; ZVEREZOMB-ZUBOVSKIY, Ye.V.; ZIMIN, L.S.; KOLOBOVA, A.N.; MEDVEDEV, S.I.; MISHCHENKO, A.I.; PETROV, A.I.; RYABOV, M.A.; SAVZDARG, E.E.; SELIVANOVA, S.N.; SKORIKOVA, O.A.; TROPKINA, M.F.; SHAPOSHNIKOV, G.Kh.; SHCHEGOLEV, V.N., prof., doktor sel'skokhoz.nauk; ESTERBERG, L.K.; YAKHONTOV, V.V.; REUTSKAYA, O.Ye., red.; CHUNAYEVA, Z.V., tekhn.red.

[Classification of insects on the basis of damage to crops] Opredelitel' nasekomykh po povrezhdeniiam kul'turnykh rastenii. Izd.4, perer. i dop. Leningrad, Gos.izd-vo sel'khoz.lit-ry, 1960. 607 p. (MIRA 14:1)

(Insects, Injurious and beneficial)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7"

ZHITKEVICH, Ye.N., starshiy nauchnyy sotrudnik; PETRUKHA, Ye.I., kand. biolog.nauk; POZHAR, Z.A., kand.sel'skokhoz.nauk; SHEVCHENKO, V.N., kand.sel'skokhoz.nauk; BUTOVSKIY, A.P., starshiy nauchnyy sotrudnik, spetsialist entomolog i fitopatolog; GROMAKOV, P.M., starshiy nauchnyy sotrudnik, spetsialist entomolog i fitopatolog [deceased]; MARKOV, F.I., kand.biolog.nauk, spetsialist entomolog i fitopatolog; PUCHKOV, V.G., kand.biolog.nauk, spetsialist entomolog i fitopatolog; PALIY, V.F., doktor biolog.nauk, spetsialist entomolog i fitopatolog; POLEVOY, V.V., starshiy nauchnyy sotrudnik, spetsialist entomolog i fitopatolog; SHMELEVA, V.A., kand.biolog.nauk, spetsialist entomolog i fitopatolog; ZVEREZOMB-ZUBOVSKIY, Ye.V., prof., doktor sel'skokhoz.nauk; KORAB, I.I., prof., doktor sel'skokhoz.nauk; MOROCHKOVSKIY, S.F., prof., doktor biolog.nauk; MURAV'YEV, V.P., prof.; SALUNSKAYA, N.I., kand.biolog.nauk; SAVCHENKO, Ye.N., red.; ZUBAREV, A.S., khudozh.-tekhn.red.

[Sugar beet growing] Sveklovodstvo. Izd.2., perer. i dop. Kiev, Gos.izd-vo sel'khoz.lit-ry USSR. Vol.3. Pt.1. [Sugar beet pests and their control] Vrediteli sakharnoi svekly i mery bor'by s nimi. Pt.2. [Sugar beet diseases and their control] Bolezni sakharnoi svekly i mery bor'by s nimi. 1959. 642 p. (MIRA 12:11)

(Continued on next card)

ZHITKEVICH, Ye.N.---(continued) Card 2.

1. Kiyev. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly (for Zhitkevich, Petrukha, Pozhar, Shevchenko). 3. Uladovo-Lyulinetskaya opytno-selektsionnaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta sakharnoy svekly (for Butovskiy). 4. Ivanovskaya opytno-selekts.stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Gromakov). 5. Kurgizskaya opytno-selekts. stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Markov, Polevoy).6. Veselopodolyanskaya opytno-sel..stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Puchkov). 7. Ramonskaya opytno-selekts.stantsiya Vsesoyuzn.nauchno-issledov.instituta sakharnoy svekly (for Paliy). 8. Pervomayskaya opytno-selekts.stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Shmeleva). 9. Chleny-korresp. AN USSR (for Zverezomb-Zubovskiy, Murav'yev).

(Sugar beets--Diseases and pests)

ZVEREZOMB-ZUBOVSKIY, Ye.V.; TMLENOA, N.A., professor.

V.P.Pospelov's role in developing biological control methods for harmful insects of the U.S.S.R. Nauch.trudy Inst.ent.i fit. 2:7-11 '50. (MLRA 9:2)

1.Chlen-korrespondent Akademii nauk Ukrainskoy SSR (for Zverezomb-Zubovskiy.
(Insects, Injurious and beneficial--Biological control)

ZVEREZOMB-ZUBOVSKIY, Ye.V.

Phytoncides and plant protection. Nauch. trudy inst. ent. i fit. no.4:173-187 '53. (MLRA 9:4)

1. Chlen-korrespondent AN USSR.
(Phytoncides) (Plants, Protection of)

ZVEREZOMB-ZUBOVSKIY, Ye.V.

I.I. Mechnikov and A.O. Kovalevskii and plant protection.
Zashch. rast. ot vred. i bol. 6 no.11:59-61 N '61.
(MIRA 16:4)

1. Chlen-korrespondent AN UkrSSR.
(Mechnikov, Il'ia Il'ich, 1845-1916)
(Kovalevskii, Aleksandr Onufrievich, 1840-1901)
(Plants, Protection of)

ZVERIK, A., instruktor-aviamodelist

Airplane model propeller made of plastic. Kryl.rod. 11 no.7:
27-28 Jl '60. (MIRA 13:7)
(Propellers, Aerial--Models)

CZECHOSLOVAKIA

V. SKORPIL and E. ZVERINA, Neurosurgical Clinic Faculty General Medicine Charles University in Prague.

"Conduction Speed in Cranial Nerves in Man."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 3, May 63; pp 152-155.

Abstract [English summary modified] : Stimulation electromyography of facial nerve revealed conduction speed to be 42±4 (40-50) m/sec for m. frontalis, 43±4 (34-46) for m. zygomaticus; of accessory spinal nerve 71±11 (50-89) for m. trapezius and of hypoglossal 57±12 (40-75) for the lingual muscles. Two electromyograms and diagram showing placements of stimulating and recording electrodes for each of the 3 cranial nerves studied. Three references: US thesis, British, Czech.

1/1

SKORPIL, V.; ZVERINA, E.

The rate of conduction in the cranial nerves in man. Cesk. neurol. 26 no.3:152-156 My '63.

1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr. Z. Kunc.

(FACIAL NERVE) (ACCESSORY NERVE)
(HYPOGLOSSAL NERVE)

SKORPIL, V.; ZVERINA, E.

Quantitative evaluation of denervation fibrillations in electromyography with an electronic impulse counter. Cesk. neurol. 26 no.3:157-159 My '63.

1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr. Z. Kunc, DrSc.
(ELECTROMYOGRAPHY) (MYONEURAL JUNCTION)

CZECHOSLOVAKIA

V. SKORPIL and E. ZVERINA, Neurosurgical Clinic of Faculty of General Medicine of Charles University, Prague (Neurochirurgicka klinika fakulty vseobecneho lekarstvi Karlove University) Head (prednosta) Prof Dr Z. KUNC, DrSc; Prague.

"Quantitative Evaluation of Denervation Fibrillations in Electromyography by Means of an Electronic Impulse Counter."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 3, May 63; pp 157-159.

Abstract [English summary modified]: Needle-electrode direct stimulation of 23 denervated muscles in 16 patients with lesions of peripheral neurons 2.5 months to 6 years after denervation with electronic counter to define fibrillations quantitatively in time. Impulse, amplitude and frequency varied generally being highest immediately after needle insertion, decreasing then rapidly. One diagram, 1 Western and 8 Czech (including 1 unpublished, senior author's 1962 thesis) references.

SKORPIL, Vl.; VLADYKOVA, J.; ZVERINA, E.

The significance of electromyography of the oculomotor muscles for clinical practice. Cesk. oftal. 19 no.3:166-170 My '63.

1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr. Z. Kunc, DrSc. Oeni oddeleni UVN v Praze, vedouci doc. dr. V. Jensi.

(ELECTROMYOGRAPHY) (OCULOMOTOR MUSCLES)
(PERIPHERAL NERVE DISEASES) (MYONEURAL JUNCTION)
(MUSCULAR DISEASES)

SKORPIL, V.; ZVERINA, E.

Research on the conduction velocity of the ulnar nerve in man during general hypothermia. Cesk. neurol. 27 no.6:361-365 N '64.

1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi Karlovy University v Praze, (prednosta dr. Z. Kunc, DrSc.).

METELKA, M.; SKORPIL, V.; ZVERINA, E.; CERNA, J.

On the surgical treatment of facial nerve paralysis with the use of tissue adhesives. Cas. lek. cesk. 102 no.44:1216-1219 1 N '63.

1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi KU v Praze; Ustredni vojenska nemocnice, (prednosta prof. dr. Z. Kunc, DrSc.) a Fyziatricke oddeleni UVN v Praze, nacelnik MUDr. V. Stastny.

*

SKORPIL,V.; ZVERINA,E.

Possibilities of the quantitative evaluation of EMG activity with an electronic impulse counter in clinical practice. Cas. lek.cesk. 103 no.6:152-156 7 Mr'64

1. Neurochirurgicka klinika FVL KU Praha-Stresovice; prednosta: prof.dr. Z.Kunc.

CZECHOSLOVAKIA

SKORPIL, V. and ZVERINA, E., Clinic of Neurosurgery (Neurochirurgicka klinika), Faculty of General Medicine (Fakulta vseobecneho lekarstvi), Charles University, Prague, Prof. Dr. Z. KUNC, Dr of Sciences, director.

"A Method of the EMG Evaluation of Peripheral and Central Mechanisms of Motor Recovery in Anastomosis of the Facial and Hypoglossal Nerves."

Prague, Ceskoslovenska Neurologie, Vol XXVI(LIX), No 5, September 63, pp 317-320.

Abstract [Authors' English summary]: A method is described of the quantitative electromyographic evaluation of motor activity in the facial muscles after anastomosis of the seventh and twelfth cranial nerves, by which it is possible to assess the motor reinnervation and relation of the peripheral and central factors in the resulting recovery after anastomosis. The method is graphically demonstrated in two cases. Six references, including 5 Czech.

1/1

SKORPIL, V.; ZVERINA, E.

Some electrophysiological findings in disk lesions. Cesk. neurol. 27 no.5:281-284 S '64.

1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi Karlovy University v Praze, (prednosta prof. dr Z. Kunc, Dr.Sc.)

ZVERINA, Karel, inz. chemie; TURNWALD, Jan, promovany chemik

Small recuperative tanks as new glass melting units. Sklar a keramik 12 no.10:306-307 O '62.

1. Obalove a lisovane sklo, n.p., zavod Hermanova Hut.

ZVERINA, Karel, inz.

"Handbook on heat transmission" by S. S. Kutateladze and V. M. Borisanskij [Borishanskiy, V.M.]. Reviewed by Karel Zverina. Sklar a keramik 13 no.1:27 Ja '63.

ZVERINA, Miroslav

Economical use of oils. Inz stavby 11 no.2: Suppl: Mechanizace no.2: 31-32 '63.

1. Montovane stavby, n.p., Brno.

ZVERINA, Miroslav (Brno)

Some notes on the education of dirvers. Inz stavby 11 no.3: Suppl: Mechanizace no.3:33-34 '63.

MOTYLEV, Iu.L., kand. tekhn. nauk; ZVERINSKIY, G.I., prof.; KALYUZHNYY, I.S., kand. sel'khoz. nauk; AZIZOV, A.A., mlad. nauchnyy sotr.; POLETAYEV, A.V., kand. khim. nauk; ABRUTSKAYA, Ye.G., mlad. nauchnyy sotr. Prinimali uchastiye: BUTLITSKIY, Yu.V., mlad. nauchnyy sotr.; FEDOSEYEVA, T.I., mlad. nauchnyy sotr.; BIRUL', A.K., prof., doktor tekhn. nauk, retsenzent; ZVERINSKIY, G.I., inzh., retsenzent; KOVALEV, T.G., inzh., retsenzent; BASIN, M.M., inzh., retsenzent; DEBERDEYEV, B.S., red.; DONSKAYA, G.D., tekhn. red.

[Stability of earth roadbed and road mats in regions with artificial irrigation] Ustoichivost' zemlianogo polotna i dorozhnykh odezhd v raionakh iskusstvennogo orosheniia. [By] IU.L.Motylev i dr. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp.i shos. dorog RSFSR, 1961. 178 p. (MIRA 15:2)

(Uzbekistan--Road construction) (Uzbekistan--Irrigation)

ZVERINTSEVA, I.A.

Application of chen-chiu therapy to diseased conditions of the peripheral nervous system. Zdrav. Kazakh. 21 no.8:27-31 '61. (MIRA 14:9)

1. Iz kafedry nervnykh bolezney (zav. - dotsent R.G.Mandryko) Karagandinskogo meditsinskogo instituta.
(ACUPUNCTURE) (NERVOUS SYSTEM--DISEASES)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7

ULANOVA, Ye.S.; KONTORSHCHIKOVA, O.M.; ZVERINTSEVA, T.e.S.; YARTSEVA, N.A.; PROTSEROV, A.V., nauchnyy red.; MOKHOTSOV, A.M., red.; ZEMTSOVA, T.Ye., tekhn. red.

[Applicability of agrometeorological forecasting methods in different regions of the U.S.S.R.; results of field tests] Primenimost' metodov agrometeorologicheskikh prognozov v razlichnykh raionakh SSSR; rezul'taty proizvodstvennykh ispytanii. Pod red. A.V.Protserova, E.S.Ulanovoi. Moskva, Gidrometeor. izd-vo, 1961. 156 p. (MIRA 15:2)

1. Moscow. TSentral'nyy institut prognozov.
(Meteorology, Agricultural)

ZVERKIN, A.M.; KAMENSKIY, G.A.; MARKIN, S.B.; EL'SGOL'TS, L.E.

Differential equations with delay. Part 2. Trudy Sem. po teor. diff. urav. s otklon. arg. 2:3-49 '63.

(MIRA 18:2)

ZVERKIN, A.M.

Completeness of a system of partial solutions to a differential equation with time lag and periodic coefficients. Trudy Sem. po teor. diff. urav. s otklon. arg. 2:93-112 '63.

Solution of linear equations with delay using the method of successive integration. Ibid.:146-161

Exceptional case of the location of the roots of a quasi-polynomial. Ibid.:238-242

(MIRA 18:2)

ZVERKIN, A.M.

Effect of the choice of the initial moment on the stability of solutions to linear differential equations with delayed arguments. Vest.Mosk.un.Ser.rat., mekh., astron., fiz., khim. 14 no.5:15-20 '59. (MIRA 13:8)

(Differential equations, Linear)

66153

~~16(1)~~ 16.3400 SOV/20-128-5-4/67

AUTHOR: Zverkin, A.M.

TITLE: On the Theory of Linear Differential Equations Having a Lagging Argument and Periodic Coefficients

PERIODICAL: Doklady Akademii nauk SSSR,1959,Vol 128,Nr 5,pp 882-885(USSR)

ABSTRACT: The author states that not every linear differential equation with constant lagging of the argument can be reduced by linear transformation to an equation with constant coefficients. On the other hand there exists a class of irreducible equations, the partial solutions of which can be determined by means of the roots of a characteristic quasipolynomial. The author proposes a method which permits to obtain in this way a partial solution of

$$(6) \qquad y'(t) = \sum_{k=0}^{m} a_k(t)y(t-kT),$$

where $a_k(t+T)=a_k(t)$. He discusses the transfer of the method to systems. The obtained particular solutions form a fundamental system (sufficient condition), if the given system of equations is reducible to a system with constant coefficients. The author formulates a theorem on the stability of

Card 1/2

On the Theory of Linear Differential Equations Having a Lagging Argument and Periodic Coefficients

the solutions of (6) without proof.
There are 2 references, 1 of which is Soviet, and 1 English.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova (Moscow State University imeni M.V.Lomonosov)

PRESENTED: June 9, 1959, by I.G.Petrovskiy, Academician
SUBMITTED: June 5, 1959

ACC NR: AR6020782 SOURCE CODE: UR/0044/66/000/002/B091/B092

AUTHOR: Zverkin, A. M.

TITLE: A series expansion for the solution of linear differential difference equations. Part I. Quasi polynomials

SOURCE: Ref zh. Matem, Abs. 2B311

REF SOURCE: Sb. Tr. Seminara po teorii differents. uravn. s otklon. argumentom. T. 3. M., 1964, 3-38

TOPIC TAGS: linear differential equation, differential equation solution, difference equation, asymptotic expansion

ABSTRACT: The properties of the quasi-polynomials

$$D(\lambda)=\sum_{r=0}^{n}\sum_{p=0}^{m}a_{rp}\lambda^{r}e^{-\tau_{p}\lambda},$$

are studied with a_{rp} and τ_p constants. Some peculiarities of the distribution of the roots of quasi-polynomials $D(\lambda)$ are established together with their asymptotic behavior. The paper is basically a survey although it contains original proofs of certain theorems (estimates from below of the distance between the roots of the quasi-polynomial; the maximum possible multiplicity of the roots of the quasi-polynomial; the establishment of the fact that there exists only a single root with such a multi-

Card 1/2 UDC: 517.949.2

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ACC NR: AR6020782

plicity, and the method is given for its finding; the estimates of the number of roots within the bands parallel to the real axis are also refined). Numerous already known theorems are proved by new methods. It is noted that the second part of the paper will be devoted to the expansion of the solution of linear stationary equations with varying arguments into series over the basic solutions of the form $P(t)e^{\lambda_i t}$, where $P(t)$ is a polynomial, and λ_i is the root of the characteristic quasi-polynomial. [Translation of abstract]. L. El'sgol'ts

SUB CODE: 12

Card 2/2

ZVERKINA, T.S.

Modified Adams formula for integrating equations with deviating argument. Trudy Sem. po teor. diff. urav. s otklon. arg. 3: 221-232 '65. (MIRA 19:1)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7"

BARDADYMOV, P.; ZVERKHOVSKIY, V.

Let's have more of the new and practical textiles of good appearance. Sov.torg. 33 no.9:14-19 S '59. (MIRA 12:12)

(Textile industry)

ZVERKIN, A.M.

Existence and uniqueness theorems for an equation with deviating argument in the critical case. Trudy Sem. po teor. diff. urav. s otklon. arg. 1:37-46 '62.

Equivalence of various classes of initial conditions for equations with deviating argument. Ibid.:63-68 (MIRA 16:12)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7"

69470

S/055/59/000/05/002/020

16.3400

AUTHOR: Zverkin, A. M.

TITLE: The Dependence of the Stability of Solutions of Linear Differential Equations With Lagging Argument on the Choice of the Initial Moment

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya matematiki, mekhaniki, astronomii, fiziki, khimii, 1959, No. 5, pp. 15-20

TEXT: The author considers equations of the type

$$(1)\quad y'(x) = \int_0^{\Delta(x)} y(x-s)\, dr(x,s), \qquad \Delta(x) \geq 0,$$

where the integration in the Stieltjes integral is carried out with respect to s. The author investigates the dependence of the stability of the solution on the initial moment of the perturbations. Especially the author considers cases, where the stability does not depend on the moment of the disturbing influence.

Theorem 1: For the stability of the trivial solution of (1), where $r(x,s)$ is a nondecreasing function of s for arbitrary x, $A \leq x < \infty$, it is necessary and sufficient that the integral

$$\int_A^{\infty} r(x, \Delta(x)) - r(x,0)\, dx$$

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exists.

Theorem 4: If in the equation

(5) $y'(x) = a(x)y(x) + b(x)y(x - \tau(x)), \quad \tau(x) \geq 0$

it is $b(x) > 0$ for $x > M$ and $b(x) \neq 0$ in $[A,M]$, $\tau(x) \geq \alpha > 0$ and $\tau'(x) \leq 1 - \beta$, $\beta > 0$, then from the stability under perturbations in the point A it follows the stability under perturbations in an arbitrary point.

There are 2 Soviet references.

SUBMITTED: October 4, 1955

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ZVERKIN, A.M.; KAMENSKIY, G.A.; NORKIN, S.B.; EL'SGOL'TS, L.E.

Differential equations with deviating argument. Usp.mat.nauk. 17 no.2:77-164 Mr-Ap '62. (MIRA 15:12)
(Differential equations)

SARKISOV, E.S.; CHEBOTAREV, N.T.; NEVZOROVA, A.A.; TYER'KOV, A.I.

Oxidation of zirconium at high temperatures and the structure of oxide films. Atom. energ. 5 no.5:550-553 N '58. (MIRA 12:1)
(Zirconium oxides)

SOV/89-5-5-7/27

5(2)

AUTHORS: Sarkisov, E. S., Chebotarev, N. T., Nevzorova, A. A., Zver'kov, A. I.

TITLE: The Oxidation of Zirconium at High Temperatures and the Structure of the Primary Oxide Films (Okisleniye tsirkoniya pri vysokikh temperaturakh i struktura pervichnykh oksidnykh plenok)

PERIODICAL: Atomnaya energiya, 1958, Vol 5, Nr 5, pp 550-553 (USSR)

ABSTRACT: The investigation was carried out with two different layers of zirconium. In the first case, a small zirconium plate (dimensions: 8 . 15 . 0,5 mm) was used, which was produced by hot rolling. The plate was then annealed for one hour at a temperature of 700°C. Before oxidation the plate was chemically polished in a solution of 40 % nitric acid, 5 % hydrofluoric acid, and 55 % water.
Oxidation took place in steam and dry oxygen at temperatures of from 150 to 800°C and under atmospheric pressure. The time of exposure varied between 15 minutes and 10 hours. By means of the scattering method the electrograms were taken on an electronograph of the type EM-4.

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In the second case the zirconium foils were produced by evaporation of the zirconium in a vacuum on a mica base. The foils produced were removed from the mica base in distilled water. Oxidation was carried out as described above. The radiographic investigations were carried out by means of a camera of the type RKU-86 (Cr radiation).
It was found that oxidation develops in stages. During the first stage of oxidation a thin layer with a marked textured cubic modification and characterized by very considerable passivation forms. The second stage is characterized by the occurrence of a textured monoclinic modification, which is located above the cubic modification. A further increase of the thickness of the foil is possible only at the expense of the increase of the internal monoclinic modification. The third stage of oxidation is characterized by the vanishing of the textured black oxidation layer which consists of the cubic and monoclinic modifications. The black layer goes over into a white one. At this instant the rate of oxidation of zirconium increases very considerably.

 The resistance to corrosion of the black layer might be

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brought into connection with the presence of a textured solid solution of zirconium in ZrO_2. It was possible to show that the protective properties of the black layer apparently vanish as soon as a maximum of saturation of this solid solution with oxygen is attained. The consequence is that a non-textured white zirconium oxide with the well-known stoichiometric composition is formed. There are 6 figures, 2 tables, and 6 references, 0 of which is Soviet.

LEVCHANOVSKIY, G.N., kand.tekhn.nauk; YEGOROVA, Z.F., inzh.; ZVER'KOV, A.Ye.

Soil stabilization in Novosibirsk Province with pulverized quick lime treated for water resistance. Avt.dor. 24 no.5:10-12 My '61. (MIRA 14:6)

1. Nachal'nik Novosibirskogo dorozhno-stroitel'nogo upravleniya (for Zver'kov).
(Novosibirsk Province—Soil stabilization) (Lime)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065710012-7"

report presented at the 1st All-Union Congress of Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb '60.

102. J. Dvorak (Prague): The state of stress and deformation of the turbine blades.

103. V. M. Deyk (Kharkov): On some new forms of the general solution of the three-dimensional problem of the theory of elasticity expressed in harmonic functions.

104. A. A. Dorkachev (Stalinabad): Generalization of the method of steepest descent in structural mechanics.

105. B. V. Deryagin (Moscow), A. V. Bernin (Leningrad): Surface phenomena in the mechanics of alloys.

106. A. E. Desov (Moscow): Experimental data concerning the propagation of vibrations of different frequencies in concrete mixtures.

107. G. Yu. Dzhanelidze (Leningrad): Almansi's problem.

108. M. I. Dlugach (Kiev): A finite difference analysis of cylindrical shells with rectangular holes.

109. M. I. Dlugach (Kiev): Generalization of Mohr's method of determining the displacements in problems of the theory of elasticity.

110. M. D. Dalberg (Kharkov): The construction of solutions of the equations of structural mechanics by means of special uniformly convergent series.

111. L. G. Drapkin (Leningrad): A method of investigating the states of stress and strain and the slip lines in anisotropic multilayer metals.

112. A. V. Diatlov (Dnepropetrovsk): The stability of an obliquely bent beam.

113. L. I. Diatlovitskiy, L. B. Rabinovich (Kiev): A problem concerning elastic bodies whose configuration changes in the course of loading, with application to the erection of structures.

114. F. D. Budkinov (Leningrad): On the shear strength of structural rock foundations.

115. F. D. Budkinov (Leningrad): On friction in sandy soils and their shear strength.

116. K. E. Yegorov (Moscow): The deformation of the ground under an annular foundation.

117. G. S. Yelenevskiy (Moscow): On stresses and strains of thin-walled rods of variable cross section at normal and elevated temperatures.

118. Zh. S. Yerzhanov (Dnepropetrovsk): Determination of the pressure on a tunnel facing taking account of the hereditary creep of soils.

119. Zh. S. Yerzhanov (Dnepropetrovsk): The integral operator method of determining the creep characteristics of soils from observations in situ.

120. A. P. Yershov (Gorki): The elastic-plastic bending of a bar.

121. A. M. Zhukov (Moscow): Elastic properties of a plastically deformed metals under combined loading.

122. P. A. Zhuravlev, A. P. [illegible], N. P. [illegible] (Leningrad): Application of the method of characteristics to the determination of the tension in the cable of a mine elevator.

123. M. A. Zadoyan (Yerevan): On the propagation of plastic zones in a beam under impulsive loading.

124. L. Z. Zaytsev (Moscow): On the surface-load-curve.

125. B. V. Zlatkin, Zh. K. Kaza (Leningrad): An experimental study of creep-rupture characteristics of tubes under combined stresses.

126. N. V. Zvolinskiy (Moscow): The propagation of an elastic wave due to an underground explosion.

127. A. M. Zelenin (Moscow): On the state of stress in compression and its effect on the construction of Mohr's circles.

128. T. K. Zilova, Ya. B. Fridman (Moscow): The laws of deformation and rupture kinetics.

129. P. L. Ivanov (Leningrad): Flow of water-saturated soils under dynamic loading

130. V. S. Ivanova (Moscow): The hypothesis of energetic similarity in fatigue fracture and the melting of metals.

131. D. D. Ivlev (Voronezh): On the anisotropy of elastic and plastic bodies.

132. V. N. Iastov, Ye. I. Iagi (Leningrad): Plastic tension and torsion of thin-walled nickel tubes that have become anisotropic through prior plastic deformation.

133. Yu. K. Ilenko, B. N. Sokolov (Moscow): Investigation of elastic strains and vibrations in aircraft structures by means of electronic computers.

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7(0)

AUTHOR: Zver'kov, B. V. SOV/32-24-12-37/45

TITLE: Machine for Studying the Endurance of Tubes Under Pressure With Cyclic Deflection (Mashina dlya issledovaniya dlitel'noy prochnosti trub pod davleniyem s tsiklicheskim izgibom)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol 24, Nr 12, pp 1514 - 1516 (USSR)

ABSTRACT: The machine mentioned in the title was developed, produced, and used in the institute mentioned in the association in the beginning of 1957. The testing conditions correspond to the working conditions of tubes and vapor conductors in boiler works. The diagram given (Fig 1) indicates that the tube sample is located in an electric furnace. The loading for the cyclic bending of the sample is carried out using an electric motor over an eccentric wheel. The pressure within the system is achieved in the same way as in the TsKTI apparatus, used for testing the endurance of tubes toward internal

pressure (Ref 1). The error in measurement in relation to the bending moment is about 3%. The placing of the machine on the desired loading cycle is carried out by using cells attached to the lever. 15, 30, and 60 cycles per minute are proposed. Two samples can be determined simultaneously on the machine. There are 2 figures and 1 Soviet reference.

ASSOCIATION: Tsentral'nyy kotloturbinnyy institut im.I. I. Polzunova (Central Boiler-Turbine Institute imeni I. I. Polzunov)

ZAKHAROV, A.A.; ZVER'KOV, B.V.; PIATONOVA, N.G.

Device for testing specimens for long-period strength in bending in tensile-testing machines. Zav.lab. 28 no.8:1005-1006 '62. (MIRA 15:11)

1. TSentral'nyy kotloturbinnyy institut imeni I.I.Polzunova.
(Testing machines)

AUTHOR: Zver'kov B.V. (Engineer)

TITLE: The long term strength of tubes with complex loading. (Dlitel'naya prochnost' trub pri slozhnykh nagruzkakh.)

PERIODICAL: Teploenergetika, 1958, No.3. pp. 51-54 (USSR)

ABSTRACT: An installation for testing the long term strength of tubes with combined internal pressure and bending is illustrated diagrammatically in Fig.1 and a corresponding installation for combined pressure and torsion in Fig.2. The test section of the tube was contained in an electric furnace. The accuracy of the test data was of the order of 3 - 5%. The test specimens were made of austenitic steel ЭИ-694 (1Х13Н16Б). For long term tensile tests the samples were made in the form of cylinders of 4.6 - 5.1 mm diameter with a length to diameter ratio of about 10 cut from the wall of the tube. For the main tests the specimens were pieces of steam superheater tubes of 32 x 5.6 mm in the condition as delivered. Tables 1 & 2 give data on long term strength tests on specimens in tension and tubes under pressure. Table.3 gives data for tubes subject only to torque and they lost their stability, large cracks were formed on the surface of the specimens. The results of tests with combined pressure and twisting are given in Table.4. There were individual cracks formed on the outer surface of the specimens and on the internal surface there was a network of fine cracks. (See illustrations in Figs.3 & 4). The results of tests on tubes

ZVER'KOV, S.N., gornyy inzh.; STEPASHKO, A.P., gornyy inzh.; GRIGOR'YANTS, E.A., gornyy inzh.

Improving the technology of boring and blasting operations at Noril'sk Combine strip mines. Gor. zhur. no.6:11-16 Je '65.

Improving boring and blasting operations at the "Zapolyarnyy" mine. Ibid.:25-28 (MIRA 18:7)

ZVER'KOV, S.N., gornyy inzh.

Large-scale hole firing in an open-pit mine beyond the Arctic Circle. Gor. zhur. no.12:27-29 D '60. (MIRA 13:12)

1. Noril'skiy gorno-metallurgicheskiy kombinat.
(Noril'sk--Strip mining) (Blasting)

ZVER'KOV, S.N., gornyy inzh.; LOMONOSOV, G.G., gornyy inzh.

Kind of explosives needed by the "Medvezhiy Ruchey" mine. Gor. zhur. no.10:41-43 O '58. (MIRA 11:10)

1. Rudnik "Medvezhiy ruchey."
(Noril'sk--Mining engineering) (Explosives)

LOMONOSOV, G.G., gornyy inzh. ; ZVER'KOV, S.N.

Water blasting method of breaking oversized rocks in open pits. Gor. zhur. no.4:35-37 Ap '63. (MIRA 16:4)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki (for Lomonosov). 2. Glavnyy inzh. rudnika "Yuzhnyy" (for Zver'kov).
(Blasting)

ZVEREKOVA, A.S.

Differential diagn. of acute agranulocytosis and acute aleukemic leukemia. Trudy Kiev. nauch.-issl. inst. perel. krovi i neotlozh. khir. 3:194-200 '61. (MIRA 17:10)

1. Kiyevskiy institut perelivaniya krovi.

ZVERKOVA, A. S. Cand Med Sci -- "Role of auto-antibodies in the pathogenesis of agranulocytosis and other types of [redacted] leukopenia." Kiev, 1961 (Kiev Order of Labor Red Banner Med Inst im Academician A. A. Bogomolets). (KL, 4-61, 209)

T

COUNTRY : USSR
CATEGORY : Human and Animal Physiology, Blood

ABS. JOUR. : RZhBiol., No. 5 1959, No. 21996

AUTHOR : Zverkova, A.S.
INST. : --
TITLE : The Role of Autoantibodies in the Pathogenesis of Agranulocytosis and other Types of Leukopenia.

ORIG. PUB. : Vrachebn. delo, 1957, No. 4, 347--350

ABSTRACT : Of the 75 patients followed, 14 had agranulocytosis, 37 had other types of leukopenia, and 24 had normal leukocyte levels. Autoantibodies (leukoagglutinins and leukolysins) were detected in the serum of the patients with agranulocytosis. The serum of these patients agglutinated the granulocytes in the blood of healthy subjects and patients with myeloid leukemia, but did not agglutinate lymphocytes and monocytes. A relationship was established between the intensity of agglutination and leukolysis and the clinical state of the

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ZVER'KOVA, F. A.

Vitamin A in dermatology and hypervitaminosis A. Vest. derm. i ven. no.6:10-17 '61. (MIRA 15:4)

1. Iz kafedry kozhnykh bolezney (zav. - prof. S. Ya. Golosovker) Leningradskogo pediatricheskogo meditsinskogo instituta (dir. - kandidat meditsinskikh nauk Ye. P. Semenova)

(VITAMINS--A) (HYPERVITAMINOSIS) (DERMATOLOGY)

782. ROLE OF VITAMIN A AND CAROTENE IN SOME SKIN DISEASES OF INFANTS IN THEIR FIRST YEAR OF LIFE (Russian text) - Zverkova F. A. - VOPR. OKHR. MATER. I DETS. 1957, 2 (19-27)

Blood concentration of vit. A and carotene of breast-fed infants suffering from various skin diseases and of their mothers was studied. A control group of healthy babies and their mothers was also investigated. It was found that: (1) Vit. A and carotene contents of the blood of healthy infants under one year of age show seasonal variation and changes dependent on the type of feeding. (2) In the case of erythroderma desquamativum the blood level of those substances is greatly lowered. (3) This fall depends on both exogenic and endogenic factors (gastro-intestinal disorders, disorders of liver function). (4) Vit. A and carotene concentration in the blood and milk of mothers breastfeeding babies suffering from erythroderma desquamativum is low. Addition of those substances to the diet of the mothers constitutes an integral part of the treatment. (5) In dermatitis herpetiformis of the newborn the blood levels of vit. A and carotene are low. This fall becomes even more accentuated in exfoliative dermatitis. (6) In cases of infantile eczema the amounts of circulating vit. A and carotene are larger than normal as a result of interference with general metabolism. (7) Administration of vit. A to infants suffering from eczema helps in restoration of normal metabolism. Administration of vit. A during pregnancy, especially in cases of toxaemia of pregnancy, is an important factor in prevention of skin disease in infants. (S)